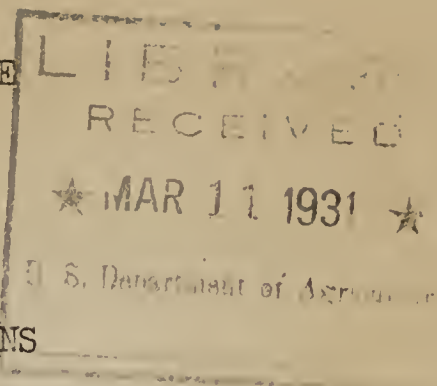


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Ex 641

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
W H EVANS Acting Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING JANUARY 1931

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Kudzu in Alabama. R. Y. Bailey and E. L. Mayton. (Alabama Sta. Circ. 57, 10 pp., 3 figs. Jan. 1931.)

Report of the Alaska Agricultural Experiment Stations, 1929. H. W. Alberts. 58 pp., 17 figs. Dec. 1930.)

Air cleaners for motor vehicles. A. H. Hoffman. (California Sta. Bul. 499, 66 pp., 42 figs. Oct. 1930.)

Series on California crops and prices: Wheat. E. W. Braun. (California Sta. Bul. 502, 34 pp., 10 figs. Nov. 1930.)

St. Johnswort on range lands of California. A. W. Sampson and K. W. Parker. (California Sta. Bul. 503, 48 pp., 23 figs. Dec. 1930.)

Hog cholera and allied diseases. G. H. Glover. (Colorado Sta. Bul. 358, 10 pp. Dec. 1930.)

Taxation in Connecticut, a preliminary survey with emphasis upon its relation to agriculture. M. S. Kendrick. (Connecticut Storrs Sta. Bul. 166, pp. 147-188, 2 figs. Sept. 1930.)

Corn silage feeding investigations: Seventh paper, Variations in hay consumption of dairy cattle with corn silages of different dry matter content. G. C. White, R. E. Johnson, and R. G. Connelly. (Connecticut Storrs Sta. Bul. 167, pp. 191-203. Oct. 1930.)

Dedication of Atwater Laboratory, June 12, 1930. W. L. Slate et al. (Connecticut Storrs Sta. Bul. 168, pp. 209-231, 2 pls. Nov. 1930.)

Corn silage feeding investigations: Eighth paper, Optimum amount of silage in the dairy ration for economical production. G. C. White and A. D. Pratt. (Connecticut Storrs Sta. Bul. 169, pp. 235-251. Nov. 1930.)

- Annual report of the director for the fiscal year ending June 30, 1930. C. A. McCue et al. (Delaware Sta. Bul. 167, 53 pp., 6 figs. Nov. 1930.)
- Farm prices of cotton related to quality, Georgia crop, 1928-1929. L.D. Howell and W. T. Fullilove. (Georgia Sta. Bul. 165, 33 pp., 6 figs. Sept. 1930.)
- Cotton variety tests, 1930. H. K. Brabham and G. A. Hale. (Georgia Sta. Circ. 90, 4 pp. Dec. 1930.)
- Cotton fertilizer experiments, 1930, sources of nitrogen, supplements, and time and method of application. G. A. Hale. (Georgia Sta. Circ. 91, 4 pp. Dec. 1930.)
- Tenth annual report, 1929. S. H. Starr. (Georgia Coastal Plain Sta. Bul. 12, 59 pp., 1 fig. June 1930.)
- Cotton production in the Coastal Plain of Georgia. W. J. Davis. (Georgia Coastal Plain Sta. Bul. 13, 29 pp., 4 figs. June 1930.)
- Corn production in the Coastal Plain of Georgia. W. J. Davis. (Georgia Coastal Plain Sta. Bul. 14, 15 pp., 2 figs. June 1930.)
- Small grain production in the Coastal Plain of Georgia. W. J. Davis. (Georgia Coastal Plain Sta. Bul. 15, 11 pp., 1 fig. June 1930.)
- A non-acid Babcock method for determining fat in ice cream. O. R. Overman and O. F. Garrett. (Illinois Sta. Bul. 360, pp. 393-406. Dec. 1930.)
- Breeding two new varieties of greenhouse tomatoes resistant to Fusarium wilt. W. A. Huelsen and M. C. Gillis. (Illinois Sta. Bul. 361, pp. 408-434, 9 figs. Dec. 1930.)
- Response of Illinois soils to systems of soil treatment. F. C. Bauer. (Illinois Sta. Bul. 362, pp. 436-514, 19 figs. Dec. 1930.)
- Prices of Illinois farm products from 1921 to 1929. L. J. Norton. (Illinois Sta. Bul. 363, pp. 517-599, 33 figs. Dec. 1930.)
- Marketing Illinois forest products. L. E. Sawyer. (Illinois Sta. Circ. 361, 16 pp., 6 figs. Dec. 1930.)
- Farm accounts that count. R. R. Hudelson. (Illinois Sta. Circ. 362, 20 pp., 7 figs. Jan. 1931.)
- Vaccinating fowls for chicken pox. W. A. James and R. Graham. (Illinois Sta. Circ. 363, 14 pp., 10 figs. Dec. 1930.)
- The population of Iowa, its composition and changes, a brief sociological study of Iowa's human assets. W. L. Harter and R. E. Stewart. (Iowa Sta. Bul. 275, 63 pp., 42 figs. Nov. 1930.)
- Information regarding recent publications. (Kansas Sta. Circ. 157, 3 pp. July 1930.)

Share leasing contracts. W. D. Nicholls. (Kentucky Sta. Bul. 307, pp. 417-443. July 1930.)

The potassium, chlorine and sulfate content of Kentucky tobacco as related to grade. O. M. Shedd. (Kentucky Sta. Bul. 308, pp. 445-471. July 1930.)

The relation of some tobacco viruses to potato degeneration. W. D. Valleau and E. M. Johnson. (Kentucky Sta. Bul. 309, pp. 473-507, 5 pls. July 1930.)

Commercial feeds in Kentucky in 1929. J. D. Turner, H. D. Spears, W. G. Terrell, and L. V. Amburgey. (Kentucky Sta. Bul. 310, pp. 509-546. July 1930.)

An economic study of factors affecting farm organization and power utilization of sugar cane farms, 1929. G. H. Reuss. (Louisiana Stas. Bul. 215, 78 pp., 18 figs. Nov. 1930.)

Rice farm irrigation systems in Louisiana, 1929. R. J. Saville. (Louisiana Stas. Bul. 216, 19 pp. Nov. 1930.)

Some economic problems in the rice farming area, 1929. R. J. Saville. (Louisiana Stas. Bul. 217, 65 pp., 2 figs. Nov. 1930.)

Tractors and trucks on Louisiana rice farms, 1929 (with supplementary data on labor requirements). R. J. Saville and G. H. Reuss. (Louisiana Stas. Bul. 218, 39 pp. Dec. 1930.)

Financing production and marketing of Louisiana strawberries and suggested reorganization. R. L. Thompson. (Louisiana Stas. Bul. 219, 67 pp., 7 figs. Jan. 1931.)

Commercial fertilizers, 1930. J. M. Bartlett. (Maine Sta. Off. Insp. 137, pp. 37-64. Oct. 1930.)

Prices paid for Maryland farm products, 1851-1927. R. F. Hale. (Maryland Sta. Bul. 321, 206 + 2 pp., 23 figs. Sept. 1930.)

A production and economic survey of the black raspberry industry of Washington County, Maryland. H. Ross and E. C. Auchter. (Maryland Sta. Bul. 322, pp. 207-245 + 1, 26 figs. Aug. 1930.)

Soil fertilization for sugar beets. J. Tyson and M. M. McCool. (Michigan Sta. Spec. Bul. 205, 31 pp., 9 figs. Nov. 1930.)

The Lansing food supply. C. A. Scholl and W. O. Hedrick. (Michigan Sta. Tech. Bul. 107, 152 pp., 21 figs. Nov. 1930.)

Influence of soil conditions, fertilizer treatments, and light intensity on growth, chemical composition, and enzymic activities of sugar beets. J. Tyson. (Michigan Sta. Tech. Bul. 108, 44 pp., 12 figs. Oct. 1930.)

Alfalfa trials at the North Central Experiment Station. O. I. Bergh. (Minnesota Sta. Bul. 267, 19 pp., 15 figs. June 1930.)

- Fattening lambs. P. S. Jordan and W. H. Peters. (Minnesota Sta. Bul. 272, 66 pp., 1 fig. Dec. 1930.)
- Studies on the nature of physiologic resistance to Puccinia graminis tritici. W. N. Ezekiel. (Minnesota Sta. Tech. Bul. 67, 62 pp., 11 figs. Oct. 1930.)
- A study of senescence in the red raspberry cane. W. G. Brierley. (Minnesota Sta. Tech. Bul. 69, 36 pp., 22 figs. Sept. 1930.)
- Aspen availability, properties, and utilization. R. P. A. Johnson, J. Kittredge, jr., and E. Schmitz. (Minnesota Sta. Tech. Bul. 70, 72 pp., 25 figs. Aug. 1930.)
- Comparison of roughages for finishing steers. D. S. Buchanan. (Mississippi Sta. Bul. 278, 11 pp., 8 figs. July 1930.)
- Propagation studies with the southern blueberry. L. M. Ware. (Mississippi Sta. Bul. 280, 40 pp., 18 figs. Aug. 1930.)
- Fertilizer work with cabbage. L. M. Ware. (Mississippi Sta. Circ. 91, 4 pp. Aug. 1930.)
- Forty-third annual report (Mississippi Agricultural Experiment Station) for the fiscal year ending June 30, 1930. J. R. Ricks et al. 49 pp., 1 fig. [1930.]
- How certain methods of cooking affect the quality and palatability of beef. J. A. Cline, E. A. Trowbridge, M. T. Foster, and H. E. Fry. (Missouri Sta. Bul. 293, 40 pp., 20 figs. Nov. 1930.)
- Growing orchard grass in south Missouri. C. A. Helm. (Missouri Sta. Bul. 294, 11 pp., 6 figs. Nov. 1930.)
- The mode of inheritance of yearly butterfat production, an analysis of the progeny performance of Holstein-Friesian sires: genealogy tables of Holstein-Friesian sires. W. Gifford. (Missouri Sta. Res. Bul. 144, 62 pp., 3 tables, 6 figs. June 1930.)
- Growth and development with special reference to domestic animals: XVI, The influence of temperature and breeding upon the rate of growth of chick embryos. E. W. Henderson. (Missouri Sta. Res. Bul. 149, 47 pp., 18 figs. Sept. 1930.)
- Pasture crops for spring pigs, their value and use. W. E. Joseph. (Montana Sta. Bul. 236, 31 pp., 9 figs. Dec. 1930.)
- Montana insect pests for 1929 and 1930, the twenty-third report of the State entomologist of Montana. R. A. Cooley. (Montana Sta. Bul. 238, 23 pp., 2 figs. Dec. 1930.)
- Sex and age as factors in cattle feeding. H. K. Gramlich and R. R. Thalmon. (Nebraska Sta. Bul. 252, 55 pp., 14 figs. Oct. 1930.)
- Creamery inspection in New Jersey, ninth annual report. H. H. Tucker. (New Jersey Sta. Bul. 508, 15 pp., 1 fig. Sept. 1930.)

Some studies on the larval parasites of the oriental peach moth (Laspeyresia molesta Busck). B. F. Driggers. (New Jersey Stas. Bul. 510, 19 pp., 6 figs. Oct. 1930.)

Length of the fruit development period of the Elberta and some other varieties of peaches. M. A. Blake. (New Jersey Stas. Bul. 511, 24 pp., 3 figs. Oct. 1930.)

Analyses of materials sold as insecticides and fungicides during 1930. C. S. Cathcart and R. L. Willis. (New Jersey Stas. Bul. 513, 16 pp. Oct. 1930.)

The operation of battery brooders. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 3, 4 pp., 1 fig. Dec. 1930.)

An agricultural policy and program for New Jersey. H. J. Baker et al. (New Jersey Stas. Circ. 225, 125 pp. Nov. 1930.)

The chemical composition of New York soils. J. A. Bizzell. (New York Cornell Sta. Bul. 513, 25 pp., 3 figs. Oct. 1930.)

Soil and field-crop management for Chenango County, New York. A. F. Gustafson, H. O. Buckton, and H. P. Cooper. (New York Cornell Sta. Bul. 514, 82 pp., 20 figs., 1 map. Dec. 1930.)

Lysimeter experiments: III, Records for tanks 3 to 12 during the years 1910 to 1924 inclusive. T. L. Lyon, J. A. Bizzell, B. D. Wilson, and E. W. Leland. (New York Cornell Sta. Mem. 134, 72 pp. Nov. 1930.)

Cornell University Agricultural Experiment Station forty-third annual report, 1930; Part I, The College of Agriculture, resident and extension instruction. A. R. Mann. 90 pp. [1930.]

Cornell University Agricultural Experiment Station forty-third annual report, 1930; Part II, The Cornell University Agricultural Experiment Station. A. R. Mann. 123 pp. [1930]

Straining milk on the farm. A. C. Dahlberg. (New York State Sta. Bul. 585, 22 pp., 6 figs. Oct. 1930.)

of
Combating damping-off/tomatoes by seed treatment. J. G. Horsfall. (New York State Sta. Bul. 586, 22 pp., 2 figs. Oct. 1930.)

Cooperative marketing of dairy products. H. G. Anderson and A. H. Benton. (North Dakota Sta. Bul. 238, 115 pp., 24 figs. Sept. 1930.)

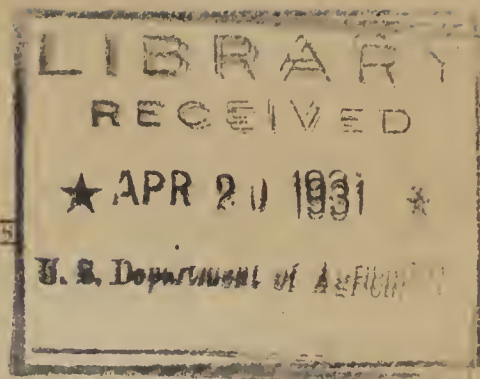
Veal in variety. E. Latzke and C. Leeby. (North Dakota Sta. Bul. 239, 32 pp., 13 figs. Sept. 1930.)

Making use of our birds. O. A. Stevens. (North Dakota Sta. Bul. 241, 40 pp., 19 figs. Dec. 1930.)

- Control of quack grass by tillage: I, A progress report, Langdon tillage project; II, General suggestions on control of quack grass. T. E. Stoa, V. Sturloughson, and H. F. McColly. (North Dakota Sta. Bul. 244, 19 pp., 4 figs. Dec. 1930.)
- Movement of open country population in Ohio. C. E. Lively and P. G. Beck. (Ohio Sta. Bul. 467, 48 pp., 3 figs. Nov. 1930.)
- Family living expenditures on Ohio farms. C. E. Lively. (Ohio Sta. Bul. 468, 36 pp., 2 figs. Nov. 1930.)
- The development of market milk areas in northeastern Ohio. C. G. McBride. (Ohio Sta. Bul. 469, 43 pp., 12 figs. Nov. 1930.)
- Forty-ninth annual report of the Ohio Agricultural Experiment Station for the year ended June 30, 1930. C. G. Williams et al. (Ohio Sta. Bul. 470, 270 pp., 65 figs. Jan. 1931.)
- Fattening pigs for market. A. W. Oliver and E. L. Potter. (Oregon Sta. Bul. 269, 22 pp., 2 figs. Nov. 1930.)
- Progress report of the irrigated eighty-acre demonstration farm unit of the Harney Branch Experiment Station, 1927-1930. O. Shattuck and R. E. Hutchison. (Oregon Sta. Bul. 270, 38 pp., 6 figs. Oct. 1930.)
- Protecting South Carolina from crop pests and plant diseases. J. A. Berly. (South Carolina Sta. Circ. 43, 32 pp., 20 figs. Oct. 1930.)
- Forty-third annual report of the South Carolina Experiment Station of Clemson Agricultural College. H. W. Barre et al. 139 pp., 43 figs. Dec. 1930.
- A decade of crop yields from Vivian Farm. A. N. Hume. (South Dakota Sta. Bul. 253, 36 pp., 12 figs. July 1930.)
- Evergreens in South Dakota. N. E. Hansen. (South Dakota Sta. Bul. 254, 33 pp., 8 figs. Oct. 1930.)
- Annual report of the South Dakota Agricultural Experiment Station for the fiscal year ended June 30, 1930. J. W. Wilson. 35 pp. [1930]
- A comparison of normal corn silage with grainless corn silage for finishing beef cattle. M. Jacob and H. R. Duncan. (Tennessee Sta. Bul. 144, 22 pp., 6 figs. Oct. 1930.)
- The effects of certain soil conditions on the yield and quality of Burley tobacco, results from a field survey. C. A. Mooers. (Tennessee Sta. Circ. 33, 4 pp. Dec. 1930.)
- Increasing the profits from phosphates for Tennessee soils. C. A. Mooers. (Tennessee Sta. Circ. 34, 4 pp. Jan. 1931.)

- Feeding value of alfalfa hay treated with calcium arsenate. H. J. Frederick.
(Utah Sta. Bul. 223, 8 pp., 4 figs. Dec. 1930.)
- Establishing snow courses and making snow surveys. G. D. Clyde. (Utah Sta.
Circ. 91, 16 pp., 7 figs. Dec. 1930.)
- Systems of dairy farm management for the Richmond milk producing area. J. L.
Maxton, R. S. Kifer, and J. J. Vernon. (Virginia Sta. Bul. 272, 95 pp.,
22 figs. June 1930.)
- Fortieth annual report for the fiscal year ended June 30, 1930. E. C. Johnson
et al. (Washington Col. Sta. Bul. 245, 77 pp. Dec. 1930.)
- Annual report of the Western Washington Experiment Station for the fiscal year
ending March 31, 1930. J. W. Kalkus et al. (Western Washington Sta. Bul.
18-W, 44 pp., 1 pl., 2 figs. Oct. 1930.)
- Topworking the apple tree. M. B. Hoffman. (West Virginia Sta. Circ. 57, 31 pp.,
25 figs. Nov. 1930.)
- Save black walnut from canker. C. R. Orton and J. M. Ashcroft. (West Virginia
Sta. Circ. 58, 14 pp., 6 figs. Dec. 1930.)
- The metabolism of the honeybee colony during winter. C. L. Corkins. (Wyoming
Sta. Bul. 175, 54 pp., 16 figs. Nov. 1930.)

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Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

- Results of cotton variety tests in Alabama for the period 1925-1929, inclusive.
H. B. Tisdale and J. T. Williamson. (Alabama Sta. Circ. 56, 3 pp. Nov. 1930.)
- Lettuce irrigation studies. H. C. Schwalen and M. F. Wharton. (Arizona Sta. Bul. 133, pp. 459-517, 30 figs. Nov. 1930.)
- An economic study of range sheep production in Arizona. K. P. Pickrell and E. B. Stanley. (Arizona Sta. Bul. 134, pp. 519-551, 2 figs. Dec. 1930.)
- Field experiments with cotton. R. S. Hawkins. (Arizona Sta. Bul. 135, pp. 535-581, 7 figs. Dec. 1930.)
- Fifteen years field crop work, Prescott Dry-Farm, 1912-1927. S. P. Clark. (Arizona Sta. Bul. 136, pp. 535-613, 6 figs. Jan. 1931.)
- Organic compounds associated with base exchange reactions in soils. W. T. McGeorge. (Arizona Sta. Tech. Bul. 31, pp. 215-251. Jan. 1931.)
- The feeding value of the grain sorghums, negari and yellow milo compared with yellow corn. M. C. Smith. (Arizona Sta. Timely Hints for Farmers 131, 9 pp., 7 figs. Nov. 1930.)
- Birds of Arkansas. W. J. Baerg. (Arkansas Sta. Bul. 258, 197 pp., 1 pl., 37 figs. Jan. 1931.)
- Organization and management of agricultural credit corporations in Arkansas. B. M. Gile. (Arkansas Sta. Bul. 259, 55 pp., 4 figs. Jan. 1931.)
- Marketing California apples. E. A. Stokdyk, H. E. Erdman, C. H. West, and F. W. Allen. (California Sta. Bul. 501, 151 pp., 20 figs. Nov. 1930.)
- The snowy tree cricket and other insects injurious to raspberries. L. M. Smith. (California Sta. Bul. 505, 38 pp., 16 figs. Dec. 1930.)
- Some effects of varying calcium and phosphorus intake on the estrus cycle and reproduction in the rat. H. R. Guilbert and G. H. Hart. (Hilgardia [California Sta.], vol. 5, No. 5, pp. 101-118, 6 figs. Dec. 1930.)

- Some carbohydrate and nitrogen constituents of alternate-bearing sugar prunes associated with fruit bud formation. L. D. Davis. (Hilgardia [California Sta.], vol. 5, No. 6, pp. 119-154, 12 figs. Jan. 1931.)
- Establishment and succession of vegetation on different soil horizons. J. D. Sinclair and A. W. Sampson. (Hilgardia [California Sta.], vol. 5, No. 7, pp. 155-174, 9 figs. Jan. 1931.)
- The date to plant corn in Colorado. D. W. Robertson, A. Kezer, and G. W. Deming. (Colorado Sta. Bul. 369, 8 pp., 3 figs. Dec. 1930.)
- Oat varieties in Colorado. D. W. Robertson et al. (Colorado Sta. Bul. 370, 34 pp., 5 figs. Dec. 1930.)
- Diseases of poultry. I. E. Newson. (Colorado Sta. Bul. 372, 42 pp., 17 figs. Dec. 1930.)
- Report of the director for the year ending October 31, 1930. W. L. Slate. (Connecticut State Sta. Bul. 322, pp. 111-150, 10 figs. Jan. 1931.)
- The cost of cooling milk with electricity. E. O. Anderson. (Connecticut Storrs Sta. Bul. 170, 25 pp., 2 figs. Nov. 1930.)
- Effect of seed-potato treatment on yield and rhizoctonosis in Florida from 1924 to 1929. L. O. Gratz. (Florida Sta. Bul. 220, 34 pp., 5 figs. Sept. 1930.)
- The tung-oil tree. W. Newell, E. Mowry, and R. M. Barnette. (Florida Sta. Bul. 221, 33 pp., 53 figs. Oct. 1930.)
- Operation and care of the cream separator, including field data on separators in Idaho. F. W. Atkeson and D. L. Fourn. (Idaho Sta. Circ. 61, 16 pp., 11 figs. Sept. 1930.)
- Effects of sex, length of feeding period, and a ration of ear-corn silage on the quality of baby beef. S. Bull, F. C. Olson, and J. H. Longwell. (Illinois Sta. Abstract of Bul. 355, 19 pp., 11 figs. Dec. 1930.)
- Fertilizing tomatoes, sweet corn, and muskmelons in a three-year rotation. J. W. Lloyd. (Illinois Sta. Bul. 364, 19 pp., 3 figs. Jan. 1931.)
- Prices of Illinois farm products in 1930. L. J. Norton. (Illinois Sta. Bul. 365, 32 pp., 3 figs. Feb. 1931.)
- The control of corn diseases in Illinois. B. Koehler and J. R. Holbert. (Illinois Sta. Circ. 364, 28 pp., 2 pls., 17 figs. Jan. 1931.)
- Some evidences of agricultural progress. H. W. Mumford. (Illinois Sta. Circ. 365, 20 pp. Feb. 1931.)
- Agricultural outlook for Illinois, 1931. (Illinois Sta. Circ. 366, 24 pp., 1 fig. Feb. 1931.)

- A year's progress in solving farm problems of Illinois: Annual report, Illinois Agricultural Experiment Station...for year ended June 30, 1930. H. W. Mumford et al. 296 pp., 53 figs. 1930. Compiled by F. J. Keilholz.
- Swine performance record litter comparisons. C. C. Culbertson, J. H. Edward, H. H. Kildee, and M. D. Helser. (Iowa Sta. Bul. 377, pp. 83-113, 4 figs. Feb. 1931.)
- Analyses of commercial fertilizers. E. E. Curtis, H. R. Allen, and L. Gault. (Kentucky Sta. Bul. 298, pp. 303-401. Dec. 1929.)
- Selection and care of the dairy sire. R. E. Lush. (Louisiana Sta. Circ. 5, 32 pp., 6 figs. Feb. 1931.)
- Frozen sweet cream as an ingredient of ice cream. M. J. Mack. (Massachusetts Sta. Bul. 268, pp. 185-193, 5 figs. Dec. 1930.)
- Packaged ice cream. K. E. Wright. (Massachusetts Sta. Bul. 269, pp. 195-206, 4 figs. Dec. 1930.)
- Inspection of commercial feedstuffs. P. H. Smith. (Massachusetts Sta. Control Ser. Bul. 55, 44 pp. Dec. 1930.)
- Seed inspection. F. A. McLaughlin. (Massachusetts Sta. Control Ser. Bul. 56, 42 pp. Dec. 1930.)
- Inspection of agricultural line products. E. D. Haskins and H. R. DeRose. (Massachusetts Sta. Control Ser. Bul. 57, 6 pp. Dec. 1930.)
- Meteorological observations for December, 1930. C. I. Guinness. (Massachusetts Sta. Met. Bul. 504, 4 pp., Dec. 1930.)
- Meteorological observations for January, 1931. C. I. Guinness and K. M. Wheeler. (Massachusetts Sta. Met. Bul. 505, 4 pp. Jan. 1931.)
- Types of farming in Michigan. E. B. Hill, F. T. Riddell, and F. F. Elliott. (Michigan Sta. Spec. Bul. 206, 83 pp., 29 figs. Dec. 1930.)
- Systems of farming in northwestern Minnesota. L. F. Garey and F. F. Elliott. (Minnesota Sta. Bul. 268, 20 pp., 5 figs. Aug. 1930.) Supplement to Minnesota Sta. Bul. 257.
- Lumber production and wood utilization in southeastern Minnesota, with special reference to the farm woodlot. L. W. Rees. (Minnesota Sta. Bul. 271, 28 pp., 2 figs. Aug. 1930.)
- Comparison of one-year-old and "June-bud" peach stock for orchard planting. J. C. C. Price. (Mississippi Sta. Bul. 277, 19 pp., 34 figs. July 1930.)
- The rural tax situation in Choctaw County, Miss., 1928. L. E. Long. (Mississippi Sta. Bul. 282, 70 pp., 19 figs. Aug. 1930.)

An economic analysis of production problems on the Flathead Irrigation Project. S. E. Johnson. (Montana Sta. Bul. 237, 88 pp., 33 figs. Dec. 1930.)

Inspection of commercial fertilizers for 1930, made for the State Department of Agriculture. T. G. Phillips, T. O. Smith, and S. J. Fisher. (New Hampshire Sta. Bul. 254, 14 pp. Dec. 1930.)

Top-dressing old pastures. F. S. Prince, P. T. Blood, and G. P. Percival. (New Hampshire Sta. Circ. 35, 12 pp., 4 figs. Feb. 1931.)

Analyses of commercial fertilizers, fertilizer supplies, and home mixtures for 1930. C. S. Cathcart. (New Jersey Stas. Bul. 514, 39 pp. Nov. 1930.)

The milk supply of the New Jersey metropolitan market, including some comments concerning sales in the North Shore and the rural markets. C. B. Howe. (New Jersey Stas. Bul. 515, 24 pp. Nov. 1930.)

Flock improvement through selection of hatching eggs. W. C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 4, 4 pp., 1 fig. Jan. 1931.)

A five-year economic study of 125 farms in Curry and Roosevelt Counties, New Mexico, Part I of Economics of agriculture on dry-land farms in eastern New Mexico. L. H. Hauter, A. L. Walker, and O. V. Wells. (New Mexico Sta. Bul. 186, 70 pp., 15 figs. June 1930.)

Production requirements, costs, and returns from dry-land farming in eastern New Mexico, Part II of Economics of agriculture on dry-land farms in eastern New Mexico. L. H. Hauter, A. L. Walker, and O. V. Wells. (New Mexico Sta. Bul. 187, 59 pp., 21 figs. June 1930.)

The quality of packet vegetable seed on sale in New York in 1929 and 1930. M. T. Munn, O. H. Sipple, and M. E. Woodbridge. (New York State Sta. Bul. 587, 27 pp. Dec. 1930.)

Filberts. G. L. Slate. (New York State Sta. Bul. 588, 32 pp., 3 figs. Dec. 1930.)

A new method for enzymic clarification of unfermented apple juice. Z. I. Kertesz. (New York State Sta. Bul. 589, 10 pp., 1 fig. Dec. 1930.)

Preparation of soil profiles for exhibition and soil study. R. C. Collison and J. D. Earlan. (New York State Sta. Tech. Bul. 173, 8 pp., 2 figs. Dec. 1930.)

Bulletins and circulars available at the experiment station. (New York State Sta. Circ. 116, 6 pp., 3 figs. July 1930.)

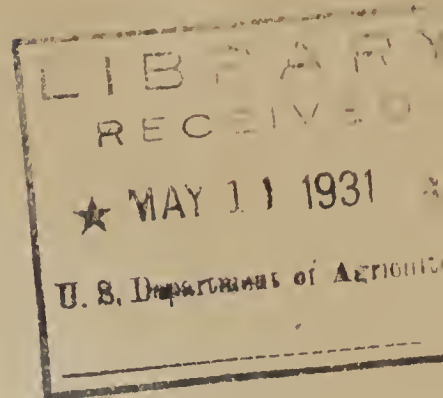
Identification of Mazzard and Mahaleb cherry rootstocks. H. B. Tukey. (New York State Sta. Circ. 117, 12 p., 7 figs. Dec. 1930.)

A cooperative marketing manual. J. G. Knapp. (North Carolina Sta. Bul. 276, 30 pp. Dec. 1930.)

- Investigations in the feeding of cottonseed meal to cattle. J. O. Halverson and F. W. Sherwood. (North Carolina Sta. Tech. Bul. 39, 158 pp., 55 figs. Dec. 1930.)
- Fifty-third annual report of the North Carolina Agricultural Experiment Station for the fiscal year ending June 30, 1930. R. Y. Winters et al. 159 pp., 36 figs. [1930.]
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 148, 32 pp., 8 figs. Jan.-Feb. 1931.)
- Biometrical analyses of upland cotton grown at Stillwater, Oklahoma. F. Griffie, L. L. Ligon, and L. H. Brannon. (Oklahoma Sta. Bul. 187, 32 pp. June 1929.)
- Current farm economics. (Oklahoma Sta. Cur. Farm Econ., vol. 4, No. 1, 8 pp., 1 fig. Feb. 1931.)
- Research leads to farm progress: Report of Oklahoma...Agricultural Experiment Station for July 1, 1926, to June 30, 1930. C. P. Blackwell et al. 351 pp., 46 figs. [1930.]
- Deferred breeding of beef cows. R. Withycombe, E. L. Potter, and F. M. Edwards. (Oregon Sta. Bul. 271, 18 pp., 8 figs. Nov. 1930.)
- The comparative value of kale and corn silage for milk production. I. R. Jones and P. M. Brandt. (Oregon Sta. Bul. 272, 34 pp., 1 fig. Dec. 1930.)
- Fowl-pox control. W. T. Johnson. (Oregon Sta. Bul. 273, 24 pp., 7 figs. Dec. 1930.)
- A cereal variety survey of Oregon. D. D. Hill. (Oregon Sta. Circ. 97, 16 pp., 4 figs. Nov. 1930.)
- Commercial fertilizers, a report covering the biennium 1929-1930. J. S. Jones and C. F. Whitaker. (Oregon Sta. Circ. 98, 32 pp. Jan. 1931.)
- Pea-weevil control in the Willamette Valley. A. O. Larson. (Oregon Sta. Circ. 99, 13 pp., 2 figs. Jan. 1931.)
- The amount of manure necessary for vegetable growing, II. F. K. Crandall and T. E. Odland. (Rhode Island Sta. Bul. 225, 31 pp., 6 figs. Nov. 1930.)
- Newer truck crop area studies, a preliminary economic report. W. C. Jensen and C. Gunnells. (South Carolina Sta. Circ. 45, 31 pp., 4 figs. Jan. 1931.)
- Methods of ginning in relation to the grade and staple of cotton. D. T. Killough and G. T. McNess. (Texas Sta. Bul. 416, 32 pp., 10 figs. Nov. 1930.)
- Varieties of cotton for north Texas. P. E. Dunkle. (Texas Sta. Bul. 417, 31 pp. Nov. 1930.)
- Digestibility by sheep of the constituents of the nitrogen-free extract of feeds. G. S. Fraps. (Texas Sta. Bul. 418, 15 pp. Nov. 1930.)

- Citrus production in the Lower Rio Grande Valley of Texas. H. P. Traub and W. H. Friend. (Texas Sta. Bul. 419, 80 pp., 2 figs. Dec. 1930.)
- Commercial feeding stuffs, from September 1, 1929, to August 31, 1930. F. D. Fuller and S. D. Pearce. (Texas Sta. Bul. 420, 186 pp. Dec. 1930.)
- A chemical and microbiological study of Lufkin fine sandy loam in relation to productiveness. E. B. Reynolds. (Texas Sta. Bul. 421, 30 pp. Jan. 1931.)
- Torrential floods in northern Utah, 1930: Report of Special Flood Commission. S. C. Cannon et al. (Utah Sta. Circ. 92, 51 pp., 24 figs. Jan. 1931.)
- Marketing fluid milk in four Virginia cities. J. L. Maxton and C. C. Taylor. (Virginia Sta. Bul. 275, 42 pp., 5 figs. Dec. 1930.)
- Stationary spray systems in West Virginia. F. D. Cornell, jr. (West Virginia Sta. Bul. 239, 28 pp., 9 figs. Jan. 1931.)
- Origin and nature of rogues in canning peas. E. J. Renard. (Wisconsin Sta. Res. Bul. 101, 56 pp., 8 pls., 9 figs. Nov. 1930.)
- Chopping hay for livestock and steaming or predigesting feeds. G. Bohstedt et al. (Wisconsin Sta. Res. Bul. 102, 32 pp., 5 figs. Dec. 1930.)
- The Mexican bean beetle. H. L. Sweetman. (Wyoming Sta. Bul. 176, 23 pp., 12 figs. Jan. 1931.)

EX 11
UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
W H EVANS Acting Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING MARCH 1931

Note:--The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Rations for fattening range calves in Arizona. E. B. Stanley. (Arizona Sta. Bul. 137, pp. 615-638, 1 fig. Feb. 1931.)

Economic problems of California agriculture, a report to the Governor of California. (California Sta. Bul. 504, 72 pp. Dec. 1930.)

Cantaloupe powdery mildew in the Imperial Valley. P.A. Miller and J.T. Barrett. (California Sta. Bul. 507, 36 pp., 13 figs. Feb. 1931.)

Some anatomical and physiological changes in citrus produced by boron deficiency. A. R. C. Haas and L. J. Klotz. (Hilgardia [California Sta.], vol. 5, No. 8, pp. 175-196, 4 pls., 4 figs. Jan. 1931.)

Baking flour mixtures at high altitudes. M.W. Peterson. (Colorado Sta. Bul. 365, 180 pp., 17 figs. Dec. 1930.)

Baking quick breads and cakes at high altitudes. A guide to housewives. M. W. Peterson. (Colorado Sta. Bul. 366, 48 pp., 5 figs. Dec. 1930.)

Cost of Public education from viewpoint of agriculture in Larimer County, Colorado. G.S. Klemmedson. (Colorado Sta. Bul. 368, 66 pp., 21 figs. Nov. 1930.)

Barley in Colorado. D. W. Robertson et al. (Colorado Sta. Bul. 371, 37 pp., 5 figs. Dec. 1930.)

Chemical investigations of the tobacco plant: I, A preliminary study of the non-volatile organic acids of tobacco leaves. H.B. Vickery and G. W. Pucher. (Connecticut State Sta. Bul. 323, pp. 151-202, 2 figs. Jan. 1931.)

Chemical investigations of the tobacco plant: II, The chemical changes that occur during the curing of Connecticut shade-grown tobacco. H.B. Vickery and G.W. Pucher. (Connecticut State Sta. Bul. 324, pp. 203-240, 5 figs. Jan. 1931.)

Report of the Guam Agricultural Experiment Station, 1929. C. W. Edwards et al. 20 pp., 8 figs. Feb. 1931.)

Drouth checks corn borer advance in 1930. W.P. Flint, W.P. Hayes, G.H. Dungan and A.L. Young. (Illinois Sta. Circ. 367, 8 pp., 4 figs. Feb. 1931.)

The influence of the growth and fattening processes on the quantity and quality of meat yielded by swine. E.L. Scott. (Indiana Sta. Bul. 340, 105 pp., 15 figs. June 1930.)

Sheep feeding: Fattening western lambs (type test), 1925-26, 1926-27, 1927-28, 1928-29. C. Harper. (Indiana Sta. Bul. 343, 16 pp., 8 figs. Aug. 1930.)

Lamb production: I, Producing native lambs; the value of pasture, 1927-1928-1929. C. Harper. (Indiana Sta. Bul. 344, 28 pp., 4 figs. Sept. 1930.)

Indiana plants injurious to livestock. A.H. Hansen. (Indiana Sta. Circ. 175, 38 pp., 28 figs. July 1930.)

Sixteenth annual report of the Creamery License Division for the year ending March 31, 1930. T.H. Binney. (Indiana Sta. Circ. 176, 19 pp., 1 fig. June 1930.)

Inspection of agricultural seeds. H.R. Kraybill et al. (Indiana Sta. Circ. 177, 99 pp., 1 fig. Oct. 1930.)

European corn borer control, progress report, 1931. H. J. Reed. (Indiana Sta. Circ. 178, 12 pp., 10 figs. Jan. 1931.)

Codling moth and peach worm investigations, progress report, 1931. H.J. Reed. (Indiana Sta. Circ. 179, 8 pp., 5 figs. Jan. 1931.)

Forty-third annual report of the Purdue University [Indiana] Agricultural Experiment Station...for the year ending June 30, 1930. J. H. Skinner and H. J. Reed. 116 pp., 42 figs. 1930.

Harvesting cornstalks for industrial uses. J.B. Davidson and E. V. Collings. (Iowa Sta. Bul. 274, pp. 373-394, 18 figs. Nov. 1930.)

A soil management program for Carrington loam. W.H. Stevenson et al. (Iowa Sta. Bul. 276, pp. 66-84, 2 figs. Jan. 1931.)

Bacteriology of butter: I, Influence of the distribution of the non-fatty constituents on the changes in bacterial content during holding. B. W. Hammer and R. V. Hussong. (Iowa Sta. Res. Bul. 134, pp. 17-30. Dec. 1930.)

Nitrate assimilation in soils. F. B. Smith and P. E. Brown. (Iowa Sta. Res. Bul. 135, pp. 33-63. Jan. 1931.)

Supplements to a milk diet for dairy calves. C. Y. Cannon. (Iowa Sta. Res. Bul. 136, pp. 65-103, 13 figs. Jan. 1931.)

Soil survey of Iowa - Carroll County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 60, 64 pp., 1 pl., 28 figs. Oct. 1930.)

Soil survey of Iowa -- Howard County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 61, 64 pp., 1 pl., 26 figs. Oct. 1930.)

Soil survey of Iowa -- Warren County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 62, 72 pp., 1 pl., 41 figs. Oct. 1930.)

Soil survey of Iowa -- Chickasaw County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 63, 72 pp., 1 pl., 26 figs. Oct. 1930.)

Soil survey of Iowa -- Kossuth County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 64, 64 pp., 1 pl., 21 figs. Nov. 1930.)

Soil survey of Iowa -- Clayton County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 65, 72 pp., 2 pls., 40 figs. Nov. 1930.)

Three new wilt-resistant watermelons. I.E. Melhus, J.J. Wilson, and D.V. Layton. (Iowa Sta. Circ. 125, 4 pp., 3 figs. Feb. 1931.)

Iowa Agricultural Experiment Station annual report for fiscal year ending June 30, 1929. C. F. Curtiss. 71 pp. 1929.

Iowa Agricultural Experiment Station annual report for fiscal year ending June 30, 1930. C. F. Curtiss. 64 pp. 1930.

Types of farming in Kansas. J. A. Hodges, F. F. Elliott, and W. E. Grimes. (Kansas Sta. Bul. 251, 112 pp., 42 figs. Aug. 1930.)

Crossbred poultry. D. C. Warren. (Kansas Sta. Bul. 252, 54 pp., 21 figs. Dec. 1930.)

Principal poisonous plants in Kansas. F. C. Gates. (Kansas Sta. Tech. Bul. 25, 67 pp., 64 figs. July 1930.)

A study of factors influencing inoculation experiments with Azotobacter. P.L. Gainey. (Kansas Sta. Tech. Bul. 26, 66 pp. Aug. 1930.)

Fifth biennial report of the director [Kansas Agricultural Experiment Station] for the biennium July 1, 1928, to June 30, 1930. L.E. Call. 164 pp., 2 figs. Dec. 1930.

The agricultural credit situation in Kentucky. H.B. Price, C.J. Bradley, and E.C. Johnson. (Kentucky Sta. Bul. 311, pp. 547-600, 6 figs. Dec. 1930.)

Meteorological observations for February 1931. C.I. Gunness and K.M. Wheeler. (Massachusetts. Sta. Met. Bul. 506, 4 pp. Feb. 1931.)

Public health and educational services in Michigan. C.R. Hoffer. (Michigan Sta. Spec. Bul. 207, 34 pp., 6 figs. Jan. 1931.)

Services of institutions and organizations in town-country communities. C.R. Hoffer and M. Cawood. (Michigan Sta. Spec. Bul. 208, 37 pp. Feb. 1931.)

Consumer demand for apples in Michigan. H.P. Gaston. (Michigan Sta. Spec. Bul. 209, 50 pp., 13 figs. Jan. 1931.)

Corn growing in Michigan. H.C. Rather and J. R. Duncan. (Michigan Sta. Spec. Bul. 210, 35 pp., 18 figs. Jan. 1931.)

School financing in Michigan. A plan to equalize the burden. F. M. Thrun. (Michigan Sta. Spec. Bul. 212, 79 pp., 8 figs. Jan. 1931.)

Investigations with oat varieties and diseases in the Upper Peninsula . B. R. Churchill. (Michigan Sta. Spec. Bul. 213, 15 pp., 4 figs. Feb. 1931.)

A contribution to the bacteriology and pathology of the bovine udder. L. B. Sholl and J. P. Torrey. (Michigan Sta. Tech. Bul. 110, 31 pp., 5 figs. Jan. 1931.)

The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 13, No. 3, pp. 107-178, 14 figs. Feb. 1931.)

Chestnut blight in Michigan. D.V. Baxter and F. C. Strong. (Michigan Sta. Circ. 135, 18 pp., 8 pls. Feb. 1931.)

Sixty-eighth annual report of the secretary of the State Board of Agriculture of the State of Michigan and the forty-second annual report of the experiment station from July 1, 1928, to June 30, 1929. H.H. Halladay et al. 231 pp., 13 figs. 1929.

Farm trade centers in Minnesota, 1905-29, a study in rural social organization. C. C. Zimmerman. (Minnesota Sta. Bul. 269, 70 pp., 12 figs. Sept. 1930.)

Factors affecting the physical and economic costs of butterfat production in Pine County, Minnesota. G. A. Pond and M. Ezekiel. (Minnesota Sta. Bul. 270, 41 pp., 4 figs. Dec. 1930.)

Fat losses in buttermilk. W. B. Combs and S. T. Coulter. (Minnesota Sta. Bul. 273, 30 pp., 12 figs. Nov. 1930.)

Double-crosses of corn for distribution in Minnesota. H. K. Hayes, I. J. Johnson, and R.F. Crim. (Minnesota Sta. Bul. 275, 14 pp., 8 figs. Jan. 1931.)

Factors that influence the development and survival of the ova of an ascarid roundworm, Toxocara canis (Werner, 1782) Stiles, 1905, under field conditions. W. B. Owen. (Minnesota Sta. Tech. Bul. 71, 25 pp., 5 figs. Sept. 1930.)

Studies of the test tube agglutination test for the diagnosis of Bang's disease (contagious abortion). C. P. Fitch, C. R. Donham, L. M. Bishop, and W. L. Boyd. (Minnesota Sta. Tech. Bul. 73, 56 pp., 1 fig. Nov. 1930.)

Thirty-eighth annual report, Minnesota Agricultural Experiment Station, July 1, 1929, to June 30, 1930. W. C. Coffey. 80 pp. 1930.

Report of the South Mississippi Branch Experiment Station for 1930. J. C. Rober, W.W. Welborne, and J.L. Cooley, jr. (Mississippi Sta. Bul. 285, 32 pp., 1 fig. Dec. 1930.)

Report of the Raymond Branch Experiment Station, 1930. H. F. Wallace. (Mississippi Sta. Bul. 287, 20 pp., 1 fig. Dec. 1930.)

Cotton variety summary, 1926-1930. F.F. O'Kelly and W.W. Hull. (Mississippi Sta. Bul. 288, 8 pp. Dec. 1930.)

Mississippi egg storage test. G. R. Sipe. (Mississippi Sta. Circ. 94, 6 pp. Nov. 1930.)

Leukemia in fowls. A. J. Durent. (Missouri Sta. Bul. 295, 8 pp., 4 figs. Dec. 1930.)

A study on the influence of climate upon the nitrogen and organic matter content of the soil. H. Jenny. (Missouri Sta. Res. Bul. 152, 66 pp., 25 figs. Nov. 1930.)

Biennial report of the Missouri State Fruit Experiment Station, 1929-1930. F.W. Faurot. 12 pp. [1930.]

Phosphate deficiency in the soils of Montana, a preliminary report. I.J. Nygard. (Montana Sta. Bul. 240, 32 pp., 16 figs. Jan. 1931.)

The relative susceptibility of alfalfas to wilt and cold. G.L. Peltier and H.M. Tysdal. (Nebraska Sta. Res. Bul. 52, 15 pp. Dec. 1930.)

Premature heading of cauliflower as associated with the chemical composition of the plant. W.R. Robbins, G.T. Nightingale, and L.G. Schermerhorn. (New Jersey Stas. Bul. 509, 14 pp., 3 figs. Jan. 1931.)

Results of seed and legume inoculant inspection for 1930. J.G. Fiske. (New Jersey Stas. Bul. 516, 95 pp. Jan. 1931.)

Analyses of commercial fertilizers and ground bone; analyses of agricultural lime, 1930. C.S. Cathcart. (New Jersey Stas. Bul. 517, 29 pp. Jan. 1931.)

Fertilizer registrations for 1931. C.S. Cathcart. (New Jersey Stas. Bul. 518, 22 pp. Feb. 1931.)

1931 spraying recommendations for apples. (New Jersey Stas. Circ. 227, 7 pp. Feb. 1931.)

1931 spray schedule for plums and cherries. (New Jersey Stas. Circ. 228, 4 pp. Feb. 1931.)

New Jersey brooder house or small laying house. J.C. Taylor and E. R. Gross. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 5, 4 pp., 5 figs. Feb. 1931.)

The artificial reseeding of New Mexico ranges. C.P. Wilson. (New Mexico Sta. Bul. 189, 37 pp., 14 figs. Feb. 1931.)

Some shade-tree pests and their control. G.W. Herrick. (New York Cornell Sta. Bul. 515, 26 pp., 18 figs. Jan. 1931.)

Cucumber disease investigations on Long Island. E.E. Clayton. (New York State Sta. Bul. 590, 20 pp., 5 figs. Jan. 1931.)

- Xenia and metaxenia in apples. B.R. Nebel. (New York State Sta. Tech. Bul. 170, 16 pp., 5 figs. Dec. 1930.)
- Aphids as vectors of leafroll among sprouting potato tubers. F.C. Stewart and H. Glasgow. (New York State Sta. Tech. Bul. 171, 21 pp., 6 figs. Dec. 1930.)
- Influence of various non-nitrogenous compounds on the growth of certain bacteria in soils of low productivity. H.J. Conn and M. A. Darrow. (New York State Sta. Tech. Bul. 172, 40 pp. Dec. 1930.)
- The treatment of pea seed with chemical materials. L.K. Jones. (New York State Sta. Circ. 118, 3 pp. Feb. 1931.)
- Aphids on potato sprouts. F.C. Stewart and H. Glasgow. (New York State Sta. Circ. 119, 6 pp., 2 figs. Feb. 1931.)
- Damping-off of tomatoes combated by seed treatment with copper compounds. J.G. Horsfall. (New York State Sta. Circ. 120, 4 pp., 1 fig. Feb. 1931.)
- Chemical composition of the soils of McHenry County. T.H. Hopper and H.L. Walster. (North Dakota Sta. Bul. 240, 46 pp., 1 fig. Nov. 1930.)
- Standardizing methods of roasting beef in experimental cookery. E. Latzke. (North Dakota Sta. Bul. 242, 18 pp., 7 figs. Dec. 1930.)
- Lodging in oats and wheat. F.A. Welton and V. H. Morris. (Ohio Sta. Bul. 471, 88 pp., 39 figs. Feb. 1931.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 149, pp. 34-80, 17 figs. Mar.-Apr. 1931.)
- Swine feeding experiments. W.L. Robison. (Ohio Sta. Spec. Circ. 32, 15 pp. [1931.]
- Some phases of apple growing in Rhode Island. A.E. Stene. (Rhode Island Sta. Bul. 226, 36 pp., 4 figs. Dec. 1930.)
- A study of apple containers. R.B. Corbett and E.P. Christopher. (Rhode Island Sta. Bul. 227, 14 pp., 2 figs. Jan. 1931.)
- Pee Dee farm management studies, 1925-1930. W. C. Jensen and B. A. Russell. (South Carolina Sta. Bul. 269, 80 pp., 13 figs. Jan. 1931.)
- Cotton marketing studies, 1925-1930. W. C. Jensen, M. Guin, and H. A. White. (South Carolina Sta. Bul. 270, 79 pp., 31 figs. Jan. 1931.)
- Frankliniella fusca Hinds (thrips) on seedling cotton. C.O. Eddy and E. M. Livingstone. (South Carolina Sta. Bul. 271, 23 pp., 5 figs. Mar. 1931.)
- Piedmont farm management for 1931. W.C. Jensen and B.A. Russell. (South Carolina Sta. Circ. 46, 15 pp. Feb. 1931.)

The Tokio soy bean. C. A. Mooers. (Tennessee Sta. Circ. 35, 4 pp. Feb. 1931.)

Canker treatment for fire blight control. J.A. McClintock and H.L. Fackler. (Tennessee Sta. Circ. 36, 4 pp., 6 figs. Mar. 1931.)

Marketing woodland products in Virginia. J.E. Lodewick. (Virginia Sta. Bul. 276, 69 pp., 23 figs. Dec. 1930.)

The waste sulphite material of paper mills as an adjuvant to certain spray materials. R. H. Hurt. (Virginia Sta. Bul. 277, 10 pp. Feb. 1931.)

Potato growing in the irrigated districts of Washington. H.J. Jensen and O.M. Morris. (Washington Col. Sta. Bul. 246, 30 pp., 1 fig. Jan. 1931.)

Oil sprays for dormant use. A. Spuler, F.L. Overley, and E.L. Green. (Washington Col. Sta. Bul. 247, 27 pp., 10 figs. Jan. 1931.)

The efficiency of the home laundry plant. E.H. Roberts. (Washington Col. Sta. Bul. 248, 39 pp., 3 figs. Feb. 1931.)

Effects of pruning on growth and yield of cherry trees. H.L. Crane. (West Virginia Sta. Bul. 240, 20 pp., 2 figs. Mar. 1931.)

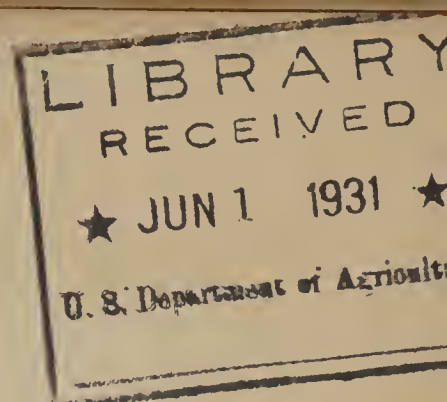
Growing greenhouse tomatoes. E.F. Burk and R. H. Roberts. (Wisconsin Sta. Bul. 418, 20 pp., 16 figs. Jan. 1931.)

The Wisconsin self-feeder for hogs. G. Bohstedt. (Wisconsin Sta. Bul. 419, 24 pp., 14 figs. Feb. 1931.)

The foreign type cheese industry in Wisconsin. W. B. Silcox and H. H. Bakken. (Wisconsin Sta. Res. Bul. 103, 36 pp., 8 figs. Dec. 1930.)

The germination of tobacco seed. J. Johnson, H. F. Murwin, and W. B. Ogden. (Wisconsin Sta. Res. Bul. 104, 15 pp., 4 pls. Dec. 1930.)

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
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Note:--The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Beef producing qualities of purebred Aberdeen-Angus cattle compared with Arkansas native cattle. H.E. Dvorachek and A.T. Semple. (Arkansas Sta. Bul. 247, 19 pp., 9 figs. Mar. 1931.)

Fruit spoilage diseases of figs. R.E. Smith and H.W. Hansen. (California Sta. Bul. 506, 84 pp., 47 figs. Jan. 1931.)

The swelling of canned prunes. E.M. Mrak and P.H. Richert. (California Sta. Bul. 508, 24 pp., 8 figs. Feb. 1931.)

The biological control of mealybugs attacking citrus. H.S. Smith and H.M. Armitage. (California Sta. Bul. 509, 74 pp., 21 figs. Mar. 1931.)

Series on California crops and prices: Olives. H.R. Wellman. (California Sta. Bul. 510, 27 pp., 4 figs. Mar. 1931.)

Verticillium headromycosis. B.A. Rudolph. (Hilgardia [California Sta.], vol. 5, No. 9, pp. 197-360, 4 pls., 9 figs. Mar. 1931.)

Growth and yield of certain Gramineae as influenced by reduction of photosynthetic tissue. K.W. Parker and A.W. Sampson. (Hilgardia [California Sta.], vol. 5, No. 10, pp. 361-381, 8 figs. Mar. 1931.)

Methods for determining the solidity of cabbage heads. O.H. Pearson. (Hilgardia [California Sta.], vol. 5, No. 11, pp. 383-393, 3 figs. Mar. 1931.)

Sap concentration and inorganic constituents of mature citrus leaves. A.R.C. Haas and F.F. Halma. (Hilgardia [California Sta.], vol. 5, No. 13, pp. 407-424, 11 figs. Mar. 1931.)

Corrosion of metals by milk and its relation to the oxidized flavors of milk. E.S. Guthrie, C.L. Roadhouse, and G.A. Richardson. (Hilgardia [California Sta.], vol. 5, No. 14, pp. 425-453, 3 figs. Mar. 1931.)

A biometrical study of the mortality of single comb White Leghorn chicks. E.C. Voorhies and G.A. Read. (Hilgardia [California Sta.], vol. 5, No. 17, pp. 531-590, 14 figs. April 1931.)

- The treatment of lime-induced chlorosis with iron salts. J.P. Bennett. (California Sta. Circ. 321, 12 pp., 1 fig. Mar. 1931.)
- Raspberry investigations: A preliminary study of the fruiting habit of the red raspberry, Rubus strigosus. R.V. Lott. (Colorado Sta. Bul. 367, 41 pp., 19 figs. Jan. 1931.)
- Commercial feeding stuffs, report on inspection, 1930. E.M. Bailey. (Connecticut State Sta. Bul. 325, pp. 241-349 + xx., Jan. 1931.)
- Potato spraying and dusting experiments in Florida, 1924 to 1929. L.O. Gratz. (Florida Sta. Bul. 222, 39 pp., 3 figs. Nov. 1930.)
- Cultivated berries: Raspberries, blackberries, dewberries, blueberries. J.G. Woodroof. (Georgia Sta. Bul. 166, 52 pp., 10 figs. Jan. 1931.)
- Forty-third annual report, Georgia Experiment Station, for the year 1930. H.P. Stuckey. 50 pp., 8 figs. 1930.
- Piatt County soils. R.S. Smith, E.E. DeTurk, F.C. Bauer, and L.H. Smith. (Illinois Sta. Soil Rpt. 47, 56 pp., 13 figs., 2 maps. Dec. 1930.)
- Effingham County soils. E.A. Norton, R.B. Smith, E.E. DeTurk, F.C. Bauer, and L.H. Smith. (Illinois Sta. Soil Rpt. 55 pp., 16 figs., 2 maps. Feb. 1931.)
- Directions for building Illinois shed-roof poultry house. E.G. Johnson and H.H. Alp. (Illinois Sta. Circ. 368, 4 pp., 3 figs, blue print plan. Apr. 1931.)
- Roughages for fattening two-year-old steers. J.M. Evvard et al. (Iowa Sta. Bul. 253 (abridged), 8 pp. Oct. 1930.)
- The budget method of improving farm organization and management. W.G. Finn and Z.L. Galloway. (Kentucky Sta. Bul. 312, pp. 601-628, 5 figs. Dec. 1930.)
- Forty-first annual report of the Kentucky Agricultural Experiment Station for the year 1928, Part II. 531 + 26 pp., 30 figs.
- Local market requirements of agricultural products in Aroostook County, Maine. C.H. Merchant and B.T. Smith. (Maine Sta. Bul. 355, pp. 39-106, 5 figs. June 1930.)
- Commercial agricultural seeds, 1930: insecticides and fungicides, 1930. J.M. Bartlett et al. (Maine Sta. Off. Insp. 138, pp. 65-108. Dec. 1930.)
- Maryland grasses. J.E.S. Norton. (Maryland Sta. Bul. 323, pp. 251-326, 6 pls., 1 fig. Sept. 1930.)
- The forty-third annual report of the University of Maryland Agricultural Experiment Station, 1929-1930. H.J. Patterson et al. xxii, 326 + 1 pp., 82 figs. 1930.

Annual report of the Massachusetts Agricultural Experiment Station, 1930.

F.J. Sievers et al. (Massachusetts Sta. Bul. 271, pp. 227-289. Feb. 1931.)

Meteorological observations for March, 1931. C.I. Guinness and K.M. Wheeler.
(Massachusetts Sta. Met. Bul. 507, 4 pp. Mar. 1931.)

Inspection of commercial fertilizers. H.D. Haskins. (Massachusetts Sta. Control Ser. Bul. 54, 64 pp., 5 figs. Dec. 1930.)

The Lansing food survey. C.A. Scholl and W. O. Hedrick. (Michigan Sta. Tech. Bul. 107, 152 pp., 21 figs. Nov. 1930.)

Studies on bacteriophage in relation to Salmonella and pullorum disease. W.L. Mallmann. (Michigan Sta. Tech. Bul. 109, 15 pp. Feb. 1931.)

Black raspberry studies: I, Some studies of expressed tissue fluids; II, Rate of water movement through excised parts of fruiting canes and current season shoots; III, Growth and yield as influenced by fertilizers. R.E. Marshall.
(Michigan Sta. Tech. Bul. 111, 32 pp., 15 figs. Feb. 1931.)

Report of the Holly Springs Branch Experiment Station, 1930. T.F. McGehee and O.B. Casanova. (Mississippi Sta. Bul. 286, 19 pp., 2 figs. Dec. 1930.)

Commercial fertilizers for cotton, 1925-1930. W.W. Hull et al. (Mississippi Sta. Bul. 289, 30 pp., 1 fig. Jan. 1931.)

Making cotton cheaper. Can present production costs be reduced? M.G. Vaiden, J.O. Smith, and W.E. Ayres. (Mississippi Sta. Bul. 290, 32 pp., 27 figs. Feb. 1931.)

Present and prospective development of farming systems in western Montana. S.E. Johnson. (Montana Sta. Bul. 239, 72 pp., 26 figs. Dec. 1930.)

A study of apple tree growth as influenced by soil conditions in the Bitter Root Valley. E. Burke, H.E. Morris, and F.M. Harrington. (Montana Sta. Bul. 241, 23 pp., 4 figs. Feb. 1931.)

Breeding winter wheat for resistance to stinking smut (Tilletia levis and Tilletia tritici). T.A. Kiesselbach and A. Anderson. (Nebraska Sta. Res. Bul. 51, 22 pp., 1 fig. Dec. 1930.)

Infection experiments with spindle tuber and unmottled curly dwarf of the potato. R.W. Goss. (Nebraska Sta. Res. Bul. 53, 36 pp. Feb. 1931.)

The vitamin A content of the milk of Holstein, Ayrshire, Jersey, and Guernsey cows. H.P. Davis and I.L. Hathaway. (Nebraska Sta. Res. Bul. 54, 14 pp. Feb. 1931.)

Land survey of the town of Durham, New Hampshire. C. E. Walker. (New Hampshire Sta. Bul. 255, 23 pp., 1 pl., 4 figs. Mar. 1931.)

- Economics of agriculture on dry-land farms in eastern New Mexico: Part III, Selecting the most profitable system of dry-land farming in eastern New Mexico. L. H. Hauter, A.L. Walker, and O.V. Wells. (New Mexico Sta. Bul. 188, 41 pp., 9 figs. Jan. 1931.)
- The preservation of manure under arid climatic conditions. H.N. Watenpaugh. (New Mexico Sta. Bul. 190, 8 pp., 3 figs. Feb. 1931.)
- Forty-first annual report [New Mexico] Agricultural Experiment Station, 1929-1930. F. Garcia. 108 pp., 15 figs. 1930.
- Dry skimmilk in ice cream. W.V. Price and R. Whitaker. (New York Cornell Sta. Bul. 516, 37 pp., 8 figs. Mar. 1931.)
- Celery production on the muck soils of New York. J.E. Knott. (New York Cornell Sta. Bul. 517, 37 pp., 11 figs. Mar. 1931.)
- Short interval testing as a control of pullorum disease. R.S. Dearstyne, R.E. Greaves, and H.C. Gauger. (North Carolina Sta. Tech. Bul. 40, 31 pp., 8 figs. Apr. 1931.)
- The harvester-stacker method of harvesting grain in North Dakota. H.F. McColly. (North Dakota Sta. Bul. 245, 27 pp., 22 figs. Dec. 1930.)
- Impurities of North Dakota Bromus inermis seed. O.A. Stevens. (North Dakota Sta. Bul. 247, 16 pp., 5 figs. Feb. 1931.)
- Bloom period and yield of apples. A 20-year average, 1910-1929. C.W. Ellenwood. (Ohio Sta. Bul. 472, 21 pp., 3 figs. Feb. 1931.)
- The sources of American corn insects. C. R. Neiswander. (Ohio Sta. Bul. 473, 98 pp., 3 figs. Mar. 1931.)
- Current farm economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 4, No. 2, 12 pp., 2 figs. Apr. 1931.)
- Orchard drainage in the Medford area, Jackson County, Oregon. M.R. Lewis and A. Work. (Oregon Sta. Circ. 100, 24 pp., 1 pl., 8 figs. Jan. 1931.)
- Winter rations for the farm flock in eastern Oregon. R. Withycombe, F.M. Edwards, and E.L. Potter. (Oregon Sta. Circ. 101, 14 pp., 2 figs. Jan. 1931.)
- Soil organic matter as a factor in the fertility of apple orchards. R.D. Anthony. (Pennsylvania Sta. Bul. 261, 35 pp., 17 figs. Jan. 1931.)
- The feed purchasing power of eggs. E.M. Funk. (Pennsylvania Sta. Bul. 262, 15 pp., 5 figs. Feb. 1931.)
- The rural tax problem in Pennsylvania. F.P. Weaver. (Pennsylvania Sta. Bul. 263, 35 pp., 6 figs. Mar. 1931.)
- The South Carolina Agricultural Experiment Station, a brief history, 1887-1930. G.H. Aull. (South Carolina Sta. Circ. 44, 63 pp., 27 figs. Dec. 1930.)

Cattle ranch organization and management in western South Dakota. M.B. Johnson.
(South Dakota Sta. Bul. 255, 55 pp., 12 figs. Nov. 1930.)

Apple scab spraying experiments in Tennessee. C.D. Sherbakoff and J.O. Andes.
(Tennessee Sta. Circ. 37, 4 pp., 1 fig. Apr. 1931.)

Variations in vitamin A and in chemical composition of corn. G.S. Fraps. (Texas
Sta. Bul. 422, 46 pp. Mar. 1931.)

Muck soil investigations, progress report, Sanpete County Experimental Farm,
1927-30, inclusive. L. Wilson and G. Stewart. (Utah Sta. Bul. 224, 24 pp.,
8 figs. Apr. 1931.)

Progress report, Carbon County Experimental Farm, 1927-30, inclusive. I.D.
Zobell and G. Stewart. (Utah Sta. Bul. 225, 20 pp., 7 figs. Apr. 1931.)

Truck crop investigations: Further studies of truck crop aphids. G.E. Gould.
(Virginia Truck Sta. Bul. 71, pp. 811-835, 1 fig. Apr., 1930.)

Relation of foliage to fruit size and quality in apples and pears. J.R. Magness,
F.L. Overley, and W.A. Luce. (Washington Col. Sta. Bul. 249, 26 pp., 7 figs.
Feb. 1931.)

Head lettuce in western Washington: Culture. H.D. Locklin.--Diseases. G.A.
Newton. (Western Washington Sta. Bul. 19-W, 37 pp., 7 figs. Jan. 1931.)

Four-H club work in West Virginia. T.L. Harris. (West Virginia Sta. Bul. 241,
36 pp., 3 figs. Apr. 1931.)

Fortieth annual report of the University of Wyoming Agricultural Experiment
Station, 1929-1930. J.A. Hill. 52 pp. [1930.]

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LIST OF STATION PUBLICATIONS
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Note:--The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

- Experiments with hay crops in Alabama. D. G. Sturkie and R. Y. Bailey. (Alabama Sta. Circ. 58, 18 pp., 5 figs. Apr. 1931.)
- The trench silo. J. C. Grimes and M. L. Nichols. (Alabama Sta. Circ. 59, 8 pp., 3 figs. Apr. 1931.)
- Forty-first annual report, fiscal year ending June 30, 1930, of the Agricultural Experiment Station of the Alabama Polytechnic Institute, Auburn. M. J. Funchess et al. 38 pp. [1931].
- Rice farming in Arkansas with financial results for 1927. O. J. Hall. (Arkansas Sta. Bul. 260, 56 pp., 20 figs. Apr. 1931.)
- Diseases of grain and their control. W. W. Mackie. (California Sta. Bul. 511, 87 pp., 46 figs. Apr. 1931.)
- Series on California crops and prices: Barley. E. W. Braun. (California Sta. Bul. 512, 32 pp., 14 figs. Apr. 1931.)
- The temperature relationships of Trichogramma minutum as a basis for racial segregation. S. E. Flanders. (Hilgardia [California Sta.], vol. 5, No. 12, pp. 395-406, 4 figs. Mar. 1931.)
- Secular and seasonal changes in soils. J. S. Burd and J. C. Martin. (Hilgardia [California Sta.], vol. 5, No. 15, pp. 455-509, 5 figs. Apr. 1931.)
- Nutrition and composition of the Deglet Noor palm in relation to the decline disease. A. R. C. Haas and L. J. Klotz. (Hilgardia [California Sta.], vol. 5, No. 16, pp. 511-530, 5 figs. Apr. 1931.)
- The forty-third annual report of the Colorado Agricultural Experiment Station [from December 1, 1929, to June 30, 1930]. C. P. Gillette et al. 44 pp. 1930.
- Tobacco Substation at Windsor, report for 1930. P. J. Anderson, T. R. Swanback, O. E. Street, et al. (Connecticut State Sta. Bul. 326, pp. 351-450, 21 figs. Feb. 1931.)
- Fruit jellies.--VII, The role of pectin: 3, Effect of temperature upon the extraction of pectin. P. B. Myers and G. L. Baker. (Delaware Sta. Bul. 168, 46 pp., 15 figs. May 1931.)

Miscellaneous tropical and sub-tropical Florida fruits. H. Mowry and L. R. Toy. (Florida Sta. Bul. 223, 88 pp., 74 figs. Jan. 1931.)

The management of baby chicks in confinement. C. M. Bice. (Hawaii Sta. Circ. 1, 15 pp., 9 figs. Mar. 1931.)

Bulk handling grain from the hillside type combine. H. Beresford and E. N. Humphrey. (Idaho Sta. Bul. 175, 19 pp., 22 figs. Oct. 1930.)

Lamb feeding investigation. R. F. Johnson, E. F. Rinehart, and C. W. Hickman. (Idaho Sta. Bul. 176, 10 pp. Feb. 1931.)

Crops to replace spring wheat in northern Idaho. H. W. Hulbert. (Idaho Sta. Bul. 177, 11 pp. Feb. 1931.)

Grains for the cut-over lands of northern Idaho. J. H. Christ. (Idaho Sta. Bul. 178, 16 pp., 5 figs. Jan. 1931.)

Apple breeding in Idaho. C. C. Vincent and L. E. Longley. (Idaho Sta. Res. Bul. 8, 58 pp., 10 figs. Nov. 1930.)

Effect of soy beans and soybean oil meal on quality of pork. S. Bull, W.E. Carroll, F.C. Olson, G.E. Hunt, and J. H. Longwell. (Illinois Sta. Bul. 366, pp. 33-80, 5 figs. Apr. 1931.)

A technical study of the growth of White Leghorn chickens. H. H. Mitchell, L.E. Card, and T.S. Hamilton. (Illinois Sta. Bul. 367, pp. 83-139, 8 figs. Apr. 1931.)

Effect of carbonation on bacterial content and keeping quality of dairy products. M. J. Prucha, J.M. Brannon, and H.A. Ruehe. (Illinois Sta. Bul. 368, pp. 143-163, 4 figs. May 1931.)

Crop yields from Illinois soil experiment fields in 1930, together with a general summary for the rotation periods ending in 1930. F. C. Bauer. (Illinois Sta. Bul. 370, pp. 214-264, 1 fig. May 1931.)

Utilizing the soybean crop in livestock feeding, a statement of its value for dairy cattle, beef cattle, sheep, horses, swine, poultry. H.P. Rusk et al. (Illinois Sta. Circ. 369, 44 pp., 8 figs. Apr. 1931.)

A plan for the milk house. W. A. Foster, H. A. Ruehe, and C. S. Rhode. (Illinois Sta. Circ. 371, 4 pp., plan. May 1931.)

Preparation and use of chemically treated bands for codling moth control. G. E. Marshall. (Indiana Sta. Circ. 180, 4 pp., 4 figs. Mar. 1931.)

A comparison of alfalfa strains and seed sources for Michigan. C.R. Megee. (Michigan Sta. Spec. Bul. 211, 3 pp., 2 figs. Jan. 1931.)

Grinding shelled corn, barley, and alfalfa hay; feeding cane molasses to fattening cattle; peat-land hay as roughage for cattle. W. H. Peters. (Minnesota Sta. Bul. 274, 27 pp., 1 fig. Jan. 1931.)

Columbia oats, a new variety for Missouri. L. J. Stadler and R.T. Kirkpatrick. (Missouri Sta. Bul. 296, 12 pp., 6 figs. Feb. 1931.)

- Influence of yield on costs and income in agricultural production. B. H. Frame. (Missouri Sta. Bul. 297, 12 pp. Mar. 1931.)
- Registration, labeling, inspection, and sale of commercial fertilizers, 1930. F. B. Mumford and L. D. Haigh. (Missouri Sta. Bul. 298, 45 pp. Mar. 1931.)
- Cotton production in Missouri. B. M. King. (Missouri Sta. Bul. 299, 34 pp., 9 figs. Mar. 1931.)
- Spraying investigations. T. J. Talbert and H. G. Swartwout. (Missouri Sta. Bul. 301, 16 pp., 5 figs. Apr. 1931.)
- Factors affecting sweet potato prices in Missouri. F. L. Thomsen and W. R. Fankhanel. (Missouri Sta. Bul. 302, 20 pp., 13 figs. Apr. 1931.)
- Variations in local prices for farm products and supplies in Missouri. F. L. Thomsen. (Missouri Sta. Res. Bul. 151, 59 pp., 16 figs. Nov. 1930.)
- Variety tests of oats, barley, and spring wheat. T. A. Kiesselbach and W. E. Lyness. (Nebraska Sta. Bul. 253, 23 pp., 8 figs. Mar. 1931.)
- Rural electric service in Nebraska; farm line extensions of 1929 compared with those of 1927. E. E. Brackett and E. B. Lewis. (Nebraska Sta. Bul. 254, 23 pp., 15 figs. Mar. 1931.)
- Corn, wheat and rye for fattening lambs. M. L. Baker. (Nebraska Sta. Bul. 256, 7 pp., 1 fig. Apr. 1931.)
- Wheat for fattening lambs. A. D. Weber and W. J. Loeffel. (Nebraska Sta. Bul. 257, 16 pp., 4 figs. Apr. 1931.)
- Trapping the oyster drill. J. R. Nelson. (New Jersey Stas. Bul. 523, 12 pp., 5 figs. Mar. 1931.)
- Ten thousand autopsies. F. R. Beaudette and C. B. Hudson. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 6, 4 pp. Mar. 1931.)
- Grading eggs on the farm. A. E. Jones and C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 7, 4 pp., 1 fig. Apr. 1931.)
- Diseases of ornamental plants. R. P. White. (New Jersey Stas. Circ. 226, 98 pp., 52 figs. Feb. 1931.)
- Diseases of boxwood. R. P. White. New Jersey Stas. Circ. 230, 2 pp., 1 fig. Apr. 1931.)
- Diseases of carnations. R. P. White. (New Jersey Stas. Circ. 231, 4 pp., 2 figs. Apr. 1931.)
- Diseases of China asters. R. P. White. (New Jersey Stas. Circ. 232, 4 pp., 2 figs. Apr. 1931.)
- Diseases of chrysanthemums. R. P. White. (New Jersey Stas. Circ. 233, 2 pp., Apr. 1931.)

- Diseases of delphinium or larkspur. R. P. White. (New Jersey Stas. Circ. 234, 4 pp., 1 fig. Apr. 1931.)
- Diseases of gladiolus. R. P. White. (New Jersey Stas. Circ. 235, 7 pp., 7 figs. Apr. 1931.)
- Diseases of hollyhocks. R. P. White. (New Jersey Stas. Circ. 236, 2 pp., 1 fig. Apr. 1931.)
- Diseases of iris. R. P. White. (New Jersey Stas. Circ. 237, 4 pp., 6 figs. Apr. 1931.)
- Diseases of laurel. R. P. White. (New Jersey Stas. Circ. 238, 2 pp., 1 fig. Apr. 1931.)
- Diseases of peonies. R. P. White. (New Jersey Stas. Circ. 239, 7 pp., 4 figs. Apr. 1931.)
- Diseases of perennial and annual phlox. R. P. White. (New Jersey Stas. Circ. 240, 3 pp., 2 figs. Apr. 1931.)
- Diseases of roses. R. P. White. (New Jersey Stas. Circ. 241, 11 pp., 8 figs. Apr. 1931.)
- Diseases of snapdragons. R. P. White. (New Jersey Stas. Circ. 242, 4 pp., 1 fig. Apr. 1931.)
- Diseases of sweet peas. R. P. White. (New Jersey Stas. Circ. 243, 4 pp., 3 figs. Apr. 1931.)
- Diseases of tulips. R. P. White. (New Jersey Stas. Circ. 244, 4 pp., 2 figs. Apr. 1931.)
- Winter injury of evergreens. R. P. White. (New Jersey Stas. Circ. 245, 2 pp., 1 fig. Apr. 1931.)
- Cranberry growing in New Jersey. C. S. Beckwith. (New Jersey Stas. Circ. 246, 40 pp., 27 figs. Mar. 1931.)
- Care and management of baby chicks. W. C. Thompson. (New Jersey Stas. Circ. 247, 32 pp., 29 figs. Mar. 1931.)
- A statistical study of milk production for the New York market. M. P. Catherwood. (New York Cornell Sta. Bul. 518, 126 pp., 39 figs. Apr. 1931.)
- A gene in maize for supernumerary cell divisions following meiosis. G. W. Beadle. (New York Cornell Sta. Mem. 135, 12 pp., 3 pls., 1 fig. Mar. 1931.)
- How the cream layer forms on milk. A. C. Dahlberg and J. C. Marquardt. (New York State Sta. Bul. 591, 11 pp., 2 figs. Feb. 1931.)
- Spraying and dusting experiments with potatoes on Long Island. H. C. Hockett. (New York State Sta. Bul. 592, 38 pp., 5 figs. Feb. 1931.)

- The creaming of raw milk. A. C. Dahlberg and J. C. Marquardt. (New York State Sta. Bul. 593, 11 pp., 2 figs. Mar. 1931.)
- Composition and cost of commercial fertilizers in New York from 1913 to 1930. A. W. Clark, W. F. Walsh, and F. J. Kokoski. (New York State Sta. Bul. 594, 19 pp. Mar. 1931.)
- The utilization of dry skimmilk in the manufacture of ice cream and cream cheese. J. C. Marquardt. (New York State Sta. Tech. Bul. 174, 24 pp. Mar. 1931.)
- Virus diseases of black raspberries. W. H. Rankin. (New York State Sta. Tech. Bul. 175, 24 pp. Mar. 1931.)
- North Dakota weeds. O. A. Stevens. (North Dakota Sta. Bul. 243, 58 pp., 59 figs. Dec. 1930.)
- A study of certain cash expenditures of Ohio farm families. G. Brinton. (Ohio Sta. Bul. 474, 51 pp. Apr. 1931.)
- Manual of Ohio weeds. H. A. Runnels and J. H. Schaffner. (Ohio Sta. Bul. 475, 166 pp., 34 figs. Apr. 1931.)
- The economic and social aspects of mobility of Oklahoma farmers. J. T. Sanders. (Oklahoma Sta. Bul. 195, 71 pp., 3 figs. Aug. 1929.)
- Credit problems of Oklahoma cotton farmers, with special reference to Garvin, Jackson, and Pittsburg Counties. A. N. Moore and J. T. Sanders. (Oklahoma Sta. Bul. 198, 61 pp., 3 figs. Oct. 1930.)
- An economic study of the small-fruit industry in Oregon. G. L. Sulerud and M. N. Nelson. (Oregon Sta. Bul. 274, 95 pp., 27 figs. Jan. 1931.)
- Care and management of the dairy bull. J. P. LaMaster. (South Carolina Sta. Bul. 272, 12 pp., 8 figs. Apr. 1931.)
- Grain sorghum date-of-planting and spacing experiments. R. E. Karper, J. R. Quinby, D. L. Jones, and R. E. Dickson. (Texas Sta. Bul. 424, 71 pp., 9 figs. Apr. 1931.)
- Better sugar-beet culture for Utah. G. Stewart and D. W. Pittman. (Utah Sta. Circ. 93, 32 pp., 9 figs. Apr. 1931.)
- Young people's organizations in relation to rural life in Virginia, with special reference to 4-H clubs [Sections I-III.] W. E. Garnett. IV, Effects of club work on school work. F. H. Stubbs. (Virginia Sta. Bul. 274, 87 pp., 24 figs. June 1930.)
- The mosaic disease of beets. L. K. Jones. (Washington Col. Sta. Bul. 250, 16 pp., 4 figs. Mar. 1931.)
- Baking vegetables electrically. V. W. Swartz. (Washington Col. Sta. Bul. 251, 19 pp., 2 figs. Feb. 1931.)
- A year's service of research: Annual report of the director, 1929-1930. H. L. Russell et al. (Wisconsin Sta. Bul. 420, 137 pp., 47 figs. Feb. 1931.)

The relation of nitrate nitrogen and nitrification to the growth of tobacco following timothy. R. P. Thomas. (Wisconsin Sta. Res. Bul. 105, 28 pp., 7 figs. Dec. 1930.)

The effectiveness of Rhizobia as influenced by passage through the host plant. O. N. Allen and I. L. Baldwin. (Wisconsin Sta. Res. Bul. 106, 56 pp., 10 pls., 7 figs. Jan. 1931.)

Resistance to Fusarium wilt in garden, canning and field peas. J. C. Walker. (Wisconsin Sta. Res. Bul. 107, 15 pp., 4 pls. Feb. 1931.)

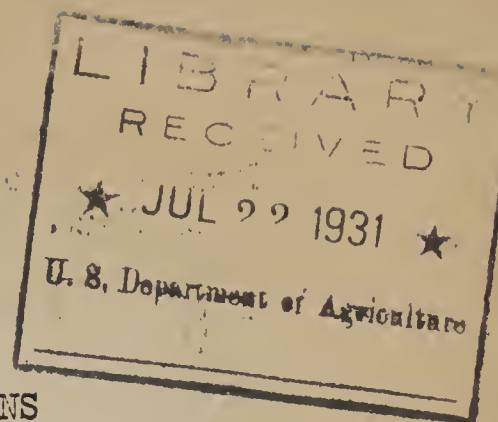
Standardization of milk for the manufacture of American cheese. W. V. Price and L. Germain. (Wisconsin Sta. Res. Bul. 108, 11 pp., 2 figs. Feb. 1931.)

Trees for Wyoming farmers and ranchmen. (Wyoming Sta. Circ. 24, 4 pp. Jan. 1931.)

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LIST OF STATION PUBLICATIONS
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Note:--The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The cause of mottled enamel, a defect of human teeth. M.C. Smith, E.M. Lantz, and H.V. Smith. (Arizona Sta. Tech. Bul. 32, pp. 251-282, 6 pls., 1 fig. June 1931.)

Cost of pumping and duty of water for rice on the Grand Prairie of Arkansas. B. S. Clayton. (Arkansas Sta. Bul. 261, 48 pp., 2 figs. May 1931.)

An economic survey of the Los Angeles milk market. L. Spencer. (California Sta. Bul. 513, 106 pp., 10 figs. May 1931.)

The anatomy of Convolvulus arvensis, wild morning-glory, or field bindweed. P. B. Kennedy and A. S. Crafts. (Hilgardia [California Sta.], vol. 5, No. 18, pp. 591-622, 27 figs. Apr. 1931.)

The digestibility of bur clover as affected by exposure to sunlight and rain. H.R. Guilbert and S.W. Mead.-- The effect of leaching on the nutritive value of forage plants. H.R. Guilbert, S.W. Mead, and H.C. Jackson. (Hilgardia [California Sta.], vol. 6, No. 1, 26 pp. May 1931.)

Report of the Agricultural Experiment Station of the University of California from July 1, 1929, to June 30, 1930. E. D. Merrill. 114 pp., 1 pl., 2 figs. 1931.

Connecticut State Entomologist, thirtieth report, 1930. W.E. Britton. (Connecticut State Sta. Bul. 327, pp. 451-582, 20 pls., 7 figs. Apr. 1931.)

The squash vine borer, Melittia satyriniformis Hübner. R.B. Friend. (Connecticut State Sta. Bul. 328, pp. 587-608, 3 figs. May 1931.)

University of Florida Agricultural Experiment Station report for the fiscal year ending June 30, 1930. W. Newell. 137 + viii pp., 8 figs. [1930]

Vitamin-B and vitamin-G content of cereals. R.A. Hetler, C.R. Meyer, and D. Hussemann. (Illinois Sta. Bul. 369, pp. 167-211, 16 figs. May 1931.)

Feeding the dairy herd, W.B. Nevens. (Illinois Sta. Circ. 372, 52 pp., 14 figs. June 1931.)

- Dramatics for farm folks. D.E. Lindstrom. (Illinois Sta. Circ. 373, 17 pp. 12 figs. June 1931.)
- Home canning of meat under conditions in Louisiana. G. Sunderlin. (Louisiana Sta. Bul. 220, 8 pp. Jan. 1931.)
- Cotton price-quality relationships in local markets of Louisiana. C.C. Farington. (Louisiana Sta. Bul. 221, 59 pp., 8 figs. May 1931.)
- Experiments with hedges. F.A. Waugh. (Massachusetts Sta. Bul. 272, 23 pp., 26 figs. Mar. 1931.)
- Infectious trachitis. C.S. Gibbs. (Massachusetts Sta. Bul. 273, pp. 27-55, 8 figs. Apr. 1931.)
- Meteorological observations for May, 1931. C.I. Gunness and K.M. Wheeler. (Massachusetts Sta. Bul. 279, 4 pp. May 1931.)
- Experiments with the tuber-index method of controlling virus diseases of potatoes. J.E. Kotila. (Michigan Sta. Tech. Bul. 117, 26 pp., 11 figs. May 1931.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 13, No. 4, pp. 183-234, 11 figs. May 1931.)
- Residual effects of fruit thinning with the Lombard plum. J.H. Waring. (Michigan Sta. Tech. Bul. 112, 36 pp., 15 figs. May 1931.)
- Fertilizers and soils in relation to Concord grapes in southwestern Michigan. N.L. Partridge and J.O. Veatch. (Michigan Sta. Tech. Bul. 114, 42 pp., 7 figs., 1 map. June 1931.)
- The fruiting habit of the peach as influenced by pruning practices. R.E. Marshall. (Michigan Sta. Tech. Bul. 116, 58 pp., 26 figs. May 1931.)
- [Michigan] Agricultural Experiment Station report, two years ended June 30, 1930. V.R. Gardner. 60 pp. [1931.]
- Relation of size of grade fine wool ewes to their production. W.E. Joseph. (Montana Sta. Bul. 242, 15 pp., 12 figs. Mar. 1931.)
- Mechanical tests on tractor farming equipment, a progress report. H.E. Murdock. (Montana Sta. Bul. 243, 52 pp., 16 figs. Apr. 1931.)
- Types of ranches and operating practices in relation to costs, investment, and income in the range beef cattle industry of Montana, a preliminary report. M.H. Sanderson and D.E. Richards. (Montana Sta. Bul. 244, 20 pp. 5 figs. Apr. 1931.)
- Irrigated alfalfa in Montana. J.E. Norton. (Montana Sta. Bul. 245, 27 pp., 6 figs. May 1931.)

- Studies in contact insecticides: III, A numerical rating for the contact performance of a spray material. W.C. O'Kane, W.A. Westgate, L.C. Glover, and P.R. Lowry. (New Hampshire Sta. Tech. Bul. 46, 8 pp., 2 figs. May 1931.)
- Remodelling farm house cellars for the storage of potatoes. O.R. Butler. (New Hampshire Sta. Circ. 36, 4 pp., 1 fig. Apr. 1931.)
- The swallows, goatsuckers and swifts of New Jersey. L.A. Hausman. (New Jersey Stas. Bul. 520, 32 pp., 34 figs. Mar. 1931.)
- Annual report of the department of sewage disposal, July 1, 1929 - June 30, 1930. W. Rudolfs. (New Jersey Stas. Bul. 521, 47 pp., 26 figs. Apr. 1931.)
- The 1931 modification of plans for the New Jersey multiple unit laying house. W. C. Thompson, L.M. Black, and E.R. Gross. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 8, 4 pp., 3 figs. May 1931.)
- Plans and list of materials for the New Jersey multiple unit laying house, 1931 modification. W.C. Thompson, L.M. Black, and E.R. Gross. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 9, 4 pp., 2 figs. June 1931.)
- Blueberry culture. C.S. Beckwith and S. Coville. (New Jersey Stas. Circ. 229, 28 pp., 21 figs. Apr. 1931.)
- Dry-farming investigations in northeastern New Mexico. J. Carter, Jr. (New Mexico Sta. Bul. 191, 16 pp., 6 figs. Mar. 1931.)
- Grape culture. A.B. Fite and A.S. Curry. (New Mexico Sta. Bul. 192, 29 pp., 14 figs. Mar. 1931.)
- Early Grano onion culture. F. Garcia and A.B. Fite. (New Mexico Sta. Bul. 193, 15 pp., 8 figs. Apr. 1931.)
- Fertilizer tests of several soil types. T.L. Lyon. (New York Cornell Sta. Bul. 520, 19 pp., 3 figs. Apr. 1931.)
- Cultivation experiments with certain vegetable crops on Long Island. H.C. Thompson, P.H. Wessels, and H.S. Mills. (New York Cornell Sta. Bul. 521, 14 pp., 1 fig. Apr. 1931.)
- The chemical composition of some chernozem-like soils of North Dakota. T.H. Hopper, L.L. Nesbitt, and A.J. Pinckney. (North Dakota Sta. Bul. 246, 72 pp., 11 figs. Feb. 1931.)
- All-night light for layers. D.C. Kennard and V.D. Chamberlin. (Ohio Sta. Bul. 476, 22 pp., 10 figs. May 1931.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 150, pp. 83-119, 12 figs. May-June 1931.)
- Pullorum disease. A. Broerman. (Ohio Sta. Spec. Circ. 33, 8 pp. [1931.]

- Current farm economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 4, No. 3, 12 pp., 2 figs. June 1931.)
- Bleaching and dyeing Royal Ann cherries for maraschino or fruit salad use. D.E. Bullis and E.H. Wiegand. (Oregon Sta. Bul. 275, 29 pp., 5 figs. May 1931.)
- Fattening calves and yearlings. E.L. Potter, R. Withycombe, and F.M. Edwards. (Oregon Sta. Bul. 276, 18 pp., 2 figs. May 1931.)
- Drainage and improvement of wet land. W.L. Powers. (Oregon Sta. Circ. 102, 19 pp., 12 figs. Jan. 1931.)
- A study of tree stocks in relation to winter injury and its prevention. L. Childs and G.G. Brown. (Oregon Sta. Circ. 103, 15 pp., 5 figs. May 1931.)
- Inspection of feeds. W.L. Adams and A.S. Knowles, Jr. (Rhode Island Sta. Ann. Feed Circ., 12 pp., May 1931.)
- Forty-third annual report of the director of the [Rhode Island] Agricultural Experiment Station [1930]. B.E. Gilbert. pp. 28-49. [1931.]
- Poultry feeding experiments. C.L. Morgan. (South Carolina Sta. Bul. 273, 16 pp., 3 figs. June 1931.)
- The grade and staple of South Carolina's 1930 cotton crop. H.A. White. (South Carolina Sta. Circ. 47, 15 pp., 4 figs. Apr. 1931.)
- Cotton root-rot and its control. J.J. Taubenhause and W.N. Ezekiel. (Texas Sta. Bul. 423, 39 pp., 8 figs. Apr. 1931.)
- The estimation of salt and molasses in mixed feeds. G.S. Fraps. (Texas Sta. Bul. 425, 12 pp., May 1931.)
- Determination of soil moisture by the method of multiple electrodes. W.H. McCorkle. (Texas Sta. Bul. 426, 20 pp., 6 figs. Apr. 1931.)
- Type-of-farming areas in Texas. C.A. Bonnen and F.F. Elliott. (Texas Sta. Bul. 427, 84 pp., 37 figs. May 1931.)
- Abstracts of Bulletins 405-420 and Circulars 55-58. A.D. Jackson. (Texas Sta. Circ. 59, 31 pp. Dec. 1930.)
- Alfalfa-seed production. J.W. Carlson and G. Stewart. (Utah Sta. Bul. 226, 54 pp., 9 figs. May 1931.)
- Control and eradication of Bang's abortion disease. D.E. Madsen and W.H. Hendricks. (Utah Sta. Circ. 94, 8 pp., 3 figs. June 1931.)
- A study of natural reproduction in Vermont forests: I, The effect of thinning on diameter growth. G.P. Burns and W.E. White. (Vermont Sta. Bul. 311, 62 pp., 27 figs. July 1930.)

- Preparing samples of milk for the methylene blue reduction test. H.B. Ellenberger and R.I. Moody. (Vermont Sta. Bul. 312, 23 pp. June 1930.)
- The production of high quality milk: II, The influence of delayed cooling upon the quality of milk. J.M. Frayer. (Vermont Sta. Bul. 313, 34 pp., 17 figs. June 1930.)
- Variability, accuracy, and adaptability of some common methods of determining the keeping quality of milk: I, Methods of comparison. A.H. Robertson and J.M. Frayer. (Vermont Sta. Bul. 314, 46 pp., 12 figs. June 1930.)
- Variability, accuracy, and adaptability of some common methods of determining the keeping quality of milk: II, Observations in sextuplicate. A.H. Robertson, R.I. Moody, and J.M. Frayer. (Vermont Sta. Bul. 315, 39 pp., 24 figs. June 1930.)
- Variability, accuracy, and adaptability of some common methods of determining the keeping quality of milk: III, Observations at different temperatures and at successive intervals on the same sample. A.H. Robertson and J.M. Frayer. (Vermont Sta. Bul. 316, 55 pp., 18 figs. June 1930.)
- Variability, accuracy, and adaptability of some common methods of determining the keeping quality of milk: IV, Correlation studies. A.H. Robertson and J.M. Frayer. (Vermont Sta. Bul. 317, 154 pp., 70 figs. June 1930.)
- Variability, accuracy, and adaptability of some common methods of determining the keeping quality of milk: V, The broader aspects of variability. A.H. Robertson and J.M. Frayer. (Vermont Sta. Bul. 318, 54 pp., 58 figs. June 1930.)
- Forty-third annual report, 1929-1930. J.L. Hills. (Vermont Sta. Bul. 319, 24 pp. July 1930.)
- Commercial fertilizers. L.S. Walker and E.F. Boyce. (Vermont Sta. Bul. 320, 24 pp. July 1930.)
- Commercial feeding stuffs. L.S. Walker and E. F. Boyce. (Vermont Sta. Bul. 321, 43 pp., Nov. 1930.)
- Agricultural seed. A.S. Lutman--Fifteen years of agricultural seed inspection. J.L. Hills. (Vermont Sta. Bul. 322, 20 pp., Nov. 1930.)
- A half century of fertilizer control in Vermont. J.L. Hills. (Vermont Sta. Bul. 323, 40 pp., 5 figs. Dec. 1930.)
- A third of a century of feeding-stuff inspection. J. L. Hills. (Vermont Sta. Bul. 324, 48 pp., 10 figs. Dec. 1930.)
- The production of high quality milk: III, Electric cooling versus ice cooling. J.A. Newlander. (Vermont Sta. Bul. 326, 14 pp., 4 figs. Apr. 1931.)
- Food consumption of fifty Vermont farm householders. M. Muse and I. Cullum. (Vermont Sta. Bul. 327, 30 pp., 4 figs. Apr. 1931.)

Logging slash and forest protection. R. Zon and R.N. Cunningham.
(Wisconsin Sta. Res. Bul. 109, 36 pp., 22 figs. Mar. 1931.)

Bacterial wilt of alfalfa. J.S. Wiant. (Wyoming Sta. Bul. 177, 20 pp.,
11 figs. Apr. 1931.)

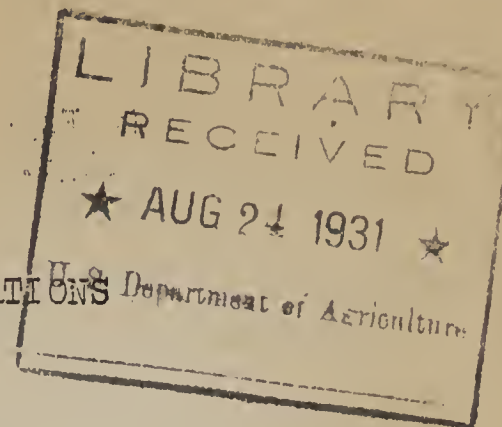
Studies with Hampshire sheep, No. 1. F.S. Hultz and M.A. Alexander.
(Wyoming Sta. Bul. 178, 30 pp., 3 figs. 4 pls. May 1931.)

Shelterbelts and fruits. A.L. Nelson. (Wyoming Sta. Bul. 179, 23 pp.,
28 figs. May 1931.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
W H EVANS Acting Chief

LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING JULY 1931



Note: The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Three-year study of farm management and incomes in a typical upland section of Arkansas. J.A. Dickey. (Arkansas Sta. Bul. 262, 58 pp., 8 figs. May 1931.)

The peanut crop in Arkansas. C.K. McClelland. (Arkansas Sta. Bul. 263, 15 pp., June 1931.)

Preliminary report on cultural and fertilizer experiments with rice in Arkansas. M. Nelson. (Arkansas Sta. Bul. 264, 46 pp., 2 figs. June 1931.)

Effects of clover and alfalfa in rotation, a comparison of legume culture with fallow culture, Part III. W.P. Headden. (Colorado Sta. Bul. 363, 39 pp., 4 figs. Dec. 1930.)

Life-history studies of the Wyoming ground squirrel Citellus elegans elegans in Colorado. W.L. Burnett. (Colorado Sta. Bul. 373, 23 pp., 7 figs. Apr. 1931.)

The thirty-fifth report on food products and the twenty-third report on drug products, 1930. E.M. Bailey. (Connecticut State Sta. Bul. 329, pp. 609-669. June 1931.)

Report of the Director for the year ending June 30, 1930. W.L. Slate. (Connecticut Storrs Sta. Bul. 171, 33 pp., 12 figs. Mar. 1931.)

Studies in taxation in Delaware highway finance. M.M. Daugherty. (Delaware Sta. Bul. 169, 72 pp., 7 figs. May 1931.)

Soybeans as a protein supplement to corn for fattening pigs on forage. A.E. Tomhave. (Delaware Sta. Bul. 170, 23 pp. May 1931.)

The marketing of Delaware cantaloupes: Part II, Consumer demand. H.S. Gabriel. (Delaware Sta. Bul. 171, 43 pp., 38 figs. June 1931.)

Diseases of watermelons in Florida. M.N. Walker and G.F. Weber. (Florida Sta. Bul. 225, 52 pp., 30 figs. Feb. 1931.)

Citrus propagation. A.F. Camp. (Florida Sta. Bul. 227, 48 pp., 29 figs. Apr. 1931.)

- Georgia Mountain Experiment Station. H. P. Stuckey. (Georgia Sta. Circ. 92, 8 pp., 5 figs. June 1931.)
- Physical properties of Hawaii soils with special reference to the colloidal fraction. C. Richter. (Hawaii Sta. Bul. 62, 45 pp., 12 figs. July 1931.)
- Report of the Hawaii Agricultural Experiment Station, 1930. J. M. Westgate et al. 38 pp., 16 figs. June 1931.
- Report of the seed commissioner for the biennium 1929-1930. R. S. Bristol. (Idaho Sta. Circ. 63, 12 pp. Mar. 1931.)
- An investigation of the quality of Illinois grown wheat. R. W. Stark. (Illinois Sta. Bul. 371, pp. 265-327, 6 figs. June 1931.)
- Commercial feeding stuffs. H. R. Kraybill et al. (Indiana Sta. Circ. 181, 39 pp., 1 fig. Apr. 1931.)
- Dried buttermilk for growing and fattening pigs. J. M. Evvard, C.C. Culbertson, and Q. W. Wallace. (Iowa Sta. Bul. 278, pp. 117-148, 12 figs. Apr. 1931.)
- The effect of various containers on the growth of vegetable plants. E. S. Haber. (Iowa Sta. Bul. 279, pp. 149-164, 12 figs. May 1931.)
- A soil management program for Grundy silt loam. W. H. Stevenson et al. (Iowa Sta. Bul. 280, pp. 165-184, 2 figs. June 1931.)
- Bacteriology of butter: II, A method for the microscopic examination of butter. B. W. Hammer and J. A. Nelson. (Iowa Sta. Res. Bul. 137, pp. 105-120, 7 figs. Feb. 1931.)
- A gene influencing the composition of the culm in maize. M. T. Jenkins and F. Gerhardt. (Iowa Sta. Res. Bul. 138, pp. 121-151, 8 figs. May 1931.)
- The measurement of the degree of saturation of soils with bases. R. H. Walker, B. J. Firkins, and P. E. Brown. (Iowa Sta. Res. Bul. 139, pp. 153-176, 10 figs. May 1931.)
- The manufacture of cottage cheese in Iowa Creameries and milk plants. E. F. Goss and G. Mitten. (Iowa Sta. Circ. 126, 16 pp., 11 figs. Apr. 1931.)
- Prevention of wind and fire losses to farm buildings. H. Giese. (Iowa Sta. Circ. 127, 23 pp., 31 figs. Apr. 1931.)
- Statistics of livestock trucking in Iowa. D. A. Fitzgerald. (Iowa Sta. Circ. 128, 8 pp. May 1931.)
- Feeding hens for egg production. E. W. Henderson and C. W. Knox. (Iowa Sta. Circ. 129, 12 pp., 4 figs. June 1931.)

Forty-second annual report of the Kentucky Agricultural Experiment Station for the year 1929, Part II. 405 pp., 42 figs.

Blueberry and huckleberry insects. C. R. Phlips. (Maine Sta. Bul. 356, pp. 107-232, 10 pls. Dec. 1930.)

Abstracts of papers not included in bulletins, finances, meteorology, index; forty-sixth annual report.....1930. (Maine Sta. Bul. 357, pp. 233-255, ~~9-11~~ Dec. 1930.)

Meteorological records, a forty-year summary, 1889-1928. C. I. Gunness. (Massachusetts Sta. Bul. 270, pp. 205-226. Dec. 1930.)

The identification of apple varieties from non-bearing trees. J. K. Shaw and A. P. French. (Massachusetts Sta. Bul. 274, pp. 57-87, 29 figs. Apr. 1931.)

Eleventh annual report on eradication of pullorum disease in Massachusetts. H. Van Roekel. (Massachusetts Sta. Control Ser. Bul. 58, 24 pp., 14 figs. May 1931.)

Meteorological observations for April, 1931. C. I. Gunness and K. M. Wheeler (Massachusetts Sta. Met. Bul. 508, 4 pp. Apr. 1931.)

Meteorological observations for June, 1931. C. I. Gunness and K. M. Wheeler. (Massachusetts Sta. Met. Bul. 510, 4 pp. June 1931.)

Hardy perennials for landscape planting in Michigan. C. P. Halligan. (Michigan Sta. Circ. 136, 78 pp., 51 figs. May 1931.)

Pests of apple and pear in Michigan. R. H. Pettit and R. Hutson. (Michigan Sta. Circ. 137, 63 pp., 60 figs. May 1931.)

Silo filling methods and costs. M. M. Jones and D. D. Smith. (Missouri Sta. Bul. 303, 32 pp., 15 figs. May 1931.)

Soils of Hill County, soil reconnaissance of Montana, preliminary report. L. F. Giescker. (Montana Sta. Bul. 246, 46 pp., 1 fig., map. May 1931.)

Concentrates in rations for range ewes. W. E. Joseph. (Montana Sta. Bul. 247, 11 pp., 3 figs. June 1931.)

The fitweed (Capnoides cascana), a poisonous range plant of the northern Sierra Nevada Mountains. C. E. Fleming, M. R. Miller, and L. R. Vawter. (Nevada Sta. Bul. 121, 29 pp., 11 figs. Apr. 1931.)

Crooked breasts in turkeys. K. W. Niemann. (Nevada Sta. Bul. 122, 22 pp., 3 figs. Apr. 1931.)

Annual report of the Board of Control [Nevada Station] for the fiscal year ending June 30, 1930. S. B. Doten et al. 29 pp., 2 figs. 1931.)

- The heat production of sheep under varying conditions. E. G. Ritzman and F. G. Benefict. (New Hampshire Sta. Tech. Bul. 45; 32 pp. Apr. 1931.)
- Investigations relative to the use of nitrogenous plant-foods, 1913-1927. J. G. Lipman, A. W. Blair, and A. L. Prince. (New Jersey Stas. Bul. 519, 46 pp., 8 figs. Mar. 1931.)
- Annual report of the department of biology, July 1, 1929-June 30, 1930. T. C. Nelson and E. B. Perkins. (New Jersey Stas. Bul. 522, 47 pp., 15 figs. June 1931.)
- State laws concerning the sale of seeds and legume inoculants. J. G. Fiske. (New Jersey Stas. Circ. 248, 15 pp., 1 fig. June 1931.)
- Fifty-first annual report of the New Jersey State Agricultural Experiment Station and the forty-third annual report of the New Jersey Agricultural College Experiment Station for the year ending June 30, 1930. J. G. Lipman et al. Lxxix + 326 pp., 14 figs. [1931.]
- Studies of the genus *Delphinium*. E. I. Wilde. (New York Cornell Sta. Bul., 519, 107 pp., 19 figs. Apr. 1931.)
- The family finances of 195 farm families in Tompkins County, New York, 1927-28. H. Canon. (New York Cornell Sta. Bul. 522, 84 pp., 4 figs. May 1931.)
- The sociology of a village and the surrounding territory. B. L. Melvin. (New York Cornell Sta. Bul. 523, 138 pp., 25 figs. May 1931.)
- The communities of Schuyler County, New York, 1927. R. E. Wakelcy. (New York Cornell Sta. Bul. 524, 74 pp., 28 figs. June 1931.)
- A survey of some public produce markets in up-state New York. F. P. Weaver. (New York Cornell Sta. Bul. 525, 149 pp., 35 figs. June 1931.)
- Factors affecting the quality of commercial canning peas. C. B. Sayre, J. J. Willaman, and Z. I. Kertesz. (New York State Sta. Tech. Bul. 176, 76 pp., 8 figs. Mar. 1931.)
- China aster seed treatment and storage. W. O. Gloyer. (New York State Sta. Tech. Bul. 177, 41 pp., 5 figs. June 1931.)
- The enzymic clarification of grape juice. J. J. Willaman and Z. I. Kertesz. (New York State Sta. Tech. Bul. 178, 15 pp. June 1931.)
- Factors influencing the pectin content of stored apple pomace. Z. I. Kertesz and E. L. Green. (New York State Sta. Tech. Bul. 179, 14 pp., 1 fig. June 1931.)
- Lumber production in Ohio. R. R. Paton--Damage to lumber caused by insects. J. S. Houser. (Ohio Sta. Bul. 478, 46 pp., 15 figs. June 1931.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 151, pp. 121-152, 5 figs. July - Aug. 1931.)

Preliminary report on effect of irrigation on major berry crops in the Willamette Valley. C.E. Schuster et al. (Oregon Sta. Bul. 277, 51 pp., 16 figs. May 1931.)

The "frozen-pack" method of preserving berries. E.H. Wiegand. (Oregon Sta. Bul. 278, 542 pp., 11 figs. May 1931.)

A method for studying water conduction in plants in relation to pruning, grafting, and other horticultural practices. E.M. Harvey. (Oregon Sta. Bul. 279, 26 pp., 8 figs. May 1931.)

A preliminary report on Anjou scald and its control. H. Hartman. (Oregon Sta. Bul. 280, 8 pp., 2 figs. June 1931.)

Varietal resistance, physiologic specialization, and inheritance studies in bunt of wheat. E.N. Bressman. (Oregon Sta. Bul. 281, 44 pp., 9 figs. June 1931.)

A peculiar freezing trouble of pears in cold storage. H. Hartman. (Oregon Sta. Bul. 282, 8 pp., 2 figs. June 1931.)

Baking of pears, standardization of household practice as applied to the baking of Bosc, D'Anjou, and Comice pears. A. Kolshorn. (Oregon Sta. Bul. 283, 20 pp., 6 figs. June 1931.)

A preliminary report on the vegetative growth of okra (Hibiscus esculentus Linn.) in relation to the production of varying amounts of reproductive tissue. E.M. Harvey. (Oregon Sta. Bul. 284, 19 pp., 8 figs. June 1931.)

Oats production in western Oregon. D.D. Hill. (Oregon Sta. Bul. 285, 24 pp., 2 figs. June 1931.)

Experiments with fertilizers on coconut palms and variation in palm productivity. T.B. McClelland. (Porto Rico Sta. Bul. 34, 23 pp., 1 pl., 15 figs. June 1931.)

Rations for fattening hogs on soybean forage. E.G. Godbey. (South Carolina Sta. Bul. 274, 15 pp., 2 figs. June 1931.)

Barley production in South Dakota. K. H. Klages. (South Dakota Sta. Bul. 256, 40 pp., 11 figs. Dec. 1930.)

Soft-curd milk. R.L. Hill. (Utah Sta. Bul. 227, 24 pp., 15 figs. June 1931.)

Twenty years of rotation and manuring experiments at Logan, Utah. G. Stewart and D.W. Pittman. (Utah Sta. Bul. 228, 31 pp., 1 fig. June 1931.)

Production study of 160 dairy herds, Wellsville, Utah, 1929. G.Q. Dateman. (Utah Sta. Bul. 229, 14 pp., 5 figs. June 1931.)

San Juan County Experimental Farm, progress report, 1925-30, inclusive. J.H. Eagar and A.F. Bracken. (Utah Sta. Bul. 230, 15 pp., 3 figs. June 1931.)

Annual summary of publications, July 1, 1930, to June 30, 1931. B.C. Pittman. (Utah Sta. Circ. 95, 16 pp. July 1931.)

Studies in North American violets: II, The cytology of some sterile violet hybrids. R. Banford and A. Gershoy. (Vermont Sta. Bul. 325, 56 pp., 22 pls. Dec. 1930.)

Report of the Virgin Islands Agricultural Experiment Station, 1930. J.D. Thompson et al. 19 pp., 11 figs. June 1931.

Removal of spray residue from apples. W.S. Hough et al. (Virginia Sta. Bul. 278, 16 pp., 6 figs. June 1931.)

A study of bovine coccidiosis. I. D. Wilson. (Virginia Sta. Tech. Bul. 42, 42 pp., 7 pls. May 1931.)

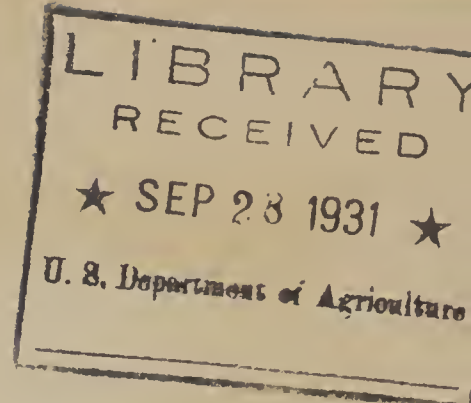
Oil sprays for summer use. A. Spuler, F.L. Overley, and E.L. Green. (Washington Col. Sta. Bul. 252, 39 pp., 8 figs. May 1931.)

The rots of Washington apples in cold storage. F.D. Heald and G.D. Ruchle. (Washington Col. Sta. Bul. 253, 48 pp., 13 figs. May 1931.)

Northern and native-grown potato seed stock. K.C. Westover. (West Virginia Sta. Bul. 242, 20 pp. June 1931.)

EX 11

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING AUGUST, 1931

Note: The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The potato in Alaska. H. W. Alberts. (Alaska Stas. Bul. 9, 19 pp., 3 figs. July 1931.)

The rate of absorption of potassium by plants and its possible effect upon the amount of potassium remaining in soils from applications of potassium fertilizers. R. P. Bartholomew and G. Janssen. (Arkansas Sta. Bul. 265, 70 pp., 20 figs. June 1931.)

Cost of producing rice in Arkansas in 1927. O. J. Hall. (Arkansas Sta. Bul. 266, 47 pp., 8 figs. June 1931.)

Some factors which influence growth and fruiting of the tomato. V. M. Watts. (Arkansas Sta. Bul. 267, 47 pp., 21 figs. June 1931.)

Florida truck crop competition: I, Inter-state and foreign. C. V. Noble and M. A. Brooker. (Florida Sta. Bul. 224, 168 pp., 73 figs. Feb. 1931.)

Native and exotic palms of Florida. H. Mowry. (Florida Sta. Bul. 228, 71 pp., 66 figs. May 1931.)

I, Salt sick, its cause and prevention; II, mineral supplements for cattle. R. B. Becker, W. M. Neal, and A. L. Shealy. (Florida Sta. Bul. 231, 23 pp., 13 figs. June 1931.)

Rural electrification development in Idaho. H. Beresford. (Idaho Sta. Bul. 180, 84 pp., 103 figs. Apr. 1931.)

Meteorological records, Sandpoint, Idaho, 1910-1930. J. H. Christ. (Idaho Sta. Circ. 64, 16 pp. May 1931.)

Good things from the oven. Revised by G. B. Armstrong, A. M. Schreiber, and M. A. McKee. (Illinois Sta. Circ. 370, 72 pp., 21 figs. Apr. 1931.)
Supersedes Circs. 262 and 267.

Keeping the farm flock healthy. H. H. Alp. (Illinois Sta. Circ. 374, 16 pp., 18 figs. July 1931.)

Wayne County soils. E. A. Norton, R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 49, 63 pp., 14 figs., 4 maps. June 1931.)

- Soil fertility investigations, sugar cane district of Louisiana. A. M. O'Neal and S. J. Breaux, jr. (Louisiana Stas. Bul. 222, 45 pp., 21 figs. [1931].)
- Control of strawberry leaf blights in Louisiana. A. G. Plakidas. (Louisiana Stas. Bul. 225, 21 pp., 5 figs. July 1931.)
- Sharp vs. dull ice cream freezer blades and freezing efficiency. R. C. Munkwitz and D. Meade. (Maryland Sta. Bul. 324, pp. 327-342, 13 figs. Jan. 1931.)
- Miscellaneous feeding trials with poultry: I, The effects of corn cockle on poultry; II, smut damaged wheat for poultry; III, results of trials with feeds suspected of having caused mortality in Maryland flocks. G. D. Quigley and R. H. Waite. (Maryland Sta. Bul. 325, pp. 343-361, 1 fig. Feb. 1931.)
- Peach rejuvenation studies in Maryland. A. L. Schrader and E. C. Auchter. (Maryland Sta. Bul. 327, pp. 411-441, 38 figs. May 1931.)
- The corn earworm, biology and control. L. P. Ditman and E. N. Cory. (Maryland Sta. Bul. 328, pp. 443-482, 11 figs. June 1931.)
- Insect and allied pests of plants grown under glass. E. I. McDaniel. (Michigan Sta. Spec. Bul. 214, 117 pp., 72 figs. June 1931.)
- The stone cells of pear fruits, especially the Kieffer pear. J. W. Crist and L. P. Batjer. (Michigan Sta. Tech. Bul. 113, 55 pp., 21 figs. May 1931.)
- Electric hotbeds. R. R. Parks. (Missouri Sta. Bul. 304, 16 pp., 10 figs. May 1931.)
- Beckkeeping in Missouri. L. Haseman. (Missouri Sta. Bul. 305, 52 pp., 12 figs. June 1931.)
- Taxonomy of the genus *Phytophthora* de Bary. C. M. Tucker. (Missouri Sta. Res. Bul. 153, 208 pp., 30 figs. June 1931.)
- Nebraska tractor tests, 1920-1930. (Nebraska Sta. Bul. 255, 28 pp., 1 fig. Mar. 1931.)
- The contribution of Nebraska farm women to family income through poultry and dairy products. M. R. Clark. (Nebraska Sta. Bul. 258, 32 pp., 5 figs. May 1931.)
- Alfalfa molasses meal for fattening lambs. A. D. Weber and H. D. Fox. (Nebraska Sta. Bul. 259, 12 pp., 1 fig. Aug. 1931.)
- Utilization of proteins by the growing chick. F. E. Mussehl and C. W. Ackerson. (Nebraska Sta. Res. Bul. 55, 19 pp., 4 figs. May 1931.)
- A study of washing machines. E. B. Snyder and M. P. Brunig. (Nebraska Sta. Res. Bul. 56, 44 pp., 10 figs. May 1931.)

The effect of maturity and the ethylene chlorhydrin seed treatment on the dormancy of Triumph potatoes. H. O. Werner. (Nebraska Sta. Res. Bul. 57, 39 pp., 11 figs. Aug. 1931.)

Forty-fourth annual report of the agricultural experiment station of Nebraska, 1930. W. W. Burr. 54 pp., Feb. 1931.

Analyses of commercial feeding stuffs and registrations for 1931. C. S. Cathcart. (New Jersey Stas. Bul. 524, 82 pp. June 1931.)

The digestibility of cottonseed meal as a supplemental feed for range cattle in New Mexico: II, With low protein intake. W. E. Watkins. (New Mexico Sta. Bul. 194, 50 pp., 4 pls. May 1931.)

Sauerkraut. C. S. Pederson. (New York State Sta. Bul. 595, 23 pp. July 1931.)

The creaming of milk pasteurized at high temperatures. J. C. Marquardt and A. C. Dahlberg. (New York State Sta. Tech. Bul. 180, 26 pp., 4 figs. July 1931.)

Studies on the chemistry of grape juice. E. L. Green and Z. I. Kertesz. (New York State Sta. Tech. Bul. 181, 14 pp. July 1931.)

Planning the farm business, with especial reference to the northern third of the Coastal Plain area. G. W. Forster. (North Carolina Sta. Bul. 277, 55 pp., 16 figs. June 1931.)

Studies on the nutritive value of milk: I, The deficiencies of an exclusive milk diet and how to overcome them. W. E. Krauss. (Ohio Sta. Bul. 477, 54 pp., 22 figs. May 1931.)

Nitrate fertilization and keeping quality of apple fruits: Chemical, physiological, and storage studies. J. H. Gourley and E. F. Hopkins. (Ohio Sta. Bul. 479, 66 pp., 35 figs. June 1931.)

Breeding experiments with sheep and swine. B. L. Warwick. (Ohio Sta. Bul. 480, 37 pp., 5 figs. July 1931.)

Some factors causing variations in crop production costs in Putnam County. J. F. Dowler. (Ohio Sta. Bul. 481, 40 pp. July 1931.)

Current farm economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 4, No. 4, 16 pp., 3 figs. Aug. 1931.)

Austrian winter field peas in Oregon. H. A. Schoth. (Oregon Sta. Bul. 286, 23 pp., 2 figs. June 1931.)

Cost and efficiency in commercial egg production in Oregon. H. D. Scudder, A. S. Burrier, A. G. Lunn, and F. L. Knowlton. (Oregon Sta. Bul. 287, 79 pp., 17 figs. June 1931.)

Preparation of oats and barley for pigs. A. W. Oliver. (Oregon Sta. Circ. 104, 7 pp. June 1931.)

Care, use, and economic value of farm manure. W. L. Powers and C. V. Ruzek. (Oregon Sta. Circ. 105, 15 pp., 8 figs. June 1931.)

50th anniversary of the general fertilizer tests, 1881-1931. C. F. Noll, F. D. Gardner, and C. J. Irvin. (Pennsylvania Sta. Bul. 264, 24 pp., 8 figs. May 1931.)

Organizations affecting farm youth in Locust Township, Columbia County. W. V. Dennis. (Pennsylvania Sta. Bul. 265, 43 pp., 13 figs. June 1931.)

Inspection of fertilizers. W. L. Adams and F. S. Schlenker. (Rhode Island Sta. Ann. Fert. Circ., 17 pp. Sept. 1930.)

Forty-third annual report [Tennessee Agricultural Experiment Station], 1930. C. A. Mooers et al. 52 pp. 1931.

Methods of feeding Leghorn hens. J. S. Carver. (Washington Col. Sta. Bul. 254, 16 pp., 1 fig. July 1931.)

West Virginia woods. H. K. Rowley. (West Virginia Sta. Circ. 59, 35 pp., 27 figs. July 1931.)

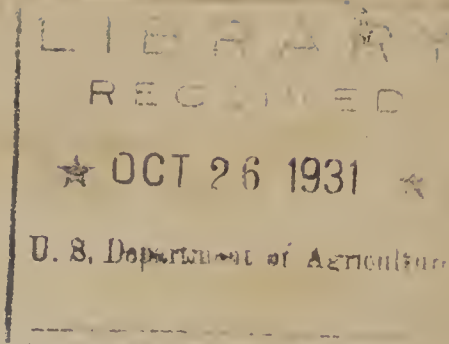
Vegetable cookery at high altitudes. E. J. Thiessen. (Wyoming Sta. Bul. 180, 32 pp., 4 figs. June 1931.)

Oat varieties for northeastern Wyoming. R. S. Towle. (Wyoming Sta. Bul. 181, 11 pp., 1 fig. June 1931.)

Grain mixtures supplementary to Wyoming native hay for milk production. H. S. Willard. (Wyoming Sta. Bul. 182, 23 pp., 1 fig. June 1931.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING SEPTEMBER
1931

Note: The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

An infectious brain disease of horses and mules (encephalomyelitis). C. M. Haring, J. A. Howarth, and K. F. Meyer. (California Sta. Circ. 322, 14 pp., 15 figs. Aug. 1931.)

Improvement of home grounds in Colorado. G. Beach. (Colorado Sta. Bul. 374, 51 pp., 39 figs. July 1931.)

Taxation and public-school finance in Colorado. G. S. Klemmedson. (Colorado Sta. Bul. 376, 38 pp., 11 figs. May 1931.)

Effects of different systems of grazing by cattle upon a western wheat-grass type of range near Fort Collins, Colorado. H. C. Hanson, L. D. Love, and M. S. Morris. (Colorado Sta. Bul. 377, 82 pp., 41 figs. July 1931.)

Labor efficiency in planting and harvesting on eastern Connecticut dairy farms. D. O. Hammerberg. (Connecticut Storrs Sta. Bul. 172, 54 pp., 5 figs. Apr. 1931.)

Pineapple bran as a feed for livestock. L. A. Henke. (Hawaii Sta. Circ. 2, 19 pp. July 1931.)

Natural and artificial incubation of hens' eggs. C. M. Bice and F. G. Botelho. (Hawaii Sta. Circ. 3, 23 pp., 14 figs. Aug. 1931.)

Rate of seeding for peas. H. W. Hulbert and F. L. Burkart. (Idaho Sta. Bul. 181, [8 pp.], 1 fig. June 1931.)

Border effect in variety tests of small grains. H. W. Hulbert, C. A. Michels, and F. L. Burkart. (Idaho Sta. Res. Bul. 9, 23 pp., 12 figs. June 1931.)

Limestone the key to soil building and higher crop yields. C. M. Linsley. (Illinois Sta. Circ. 375, 32 pp., 22 figs. July 1931.)

Organizing for rural home-talent tournaments. D. E. Lindstrom. (Illinois Sta. Circ. 376, 15 pp., 11 figs. Sept. 1931.)

- Making frozen delicacies at home. P. H. Tracy. (Illinois Sta. Circ. 377, 16 pp., 7 figs. Sept. 1931.)
- Common animal parasites of horses. F. Thorp, jr., W. A. James, and R. Graham. (Illinois Sta. Circ. 378, 20 pp., 18 figs. Sept. 1931.)
- Spray residue and its removal from apples. O. W. Ford and C. L. Burkholder. (Indiana Sta. Bul. 345, 18 pp., 6 figs. February 1931.)
- Early, intermediate and late cut soybean hay for milk and butterfat production. J. H. Hilton, J. W. Wilbur, and W. F. Epple. (Indiana Sta. Bul. 346, 24 pp., 11 figs. February 1931.)
- Commercial fertilizers. H. R. Kraybill et al. (Indiana Sta. Circ. 182, 76 pp., 2 figs. May 1931.)
- Report of the Moses Fell Annex Farm, Bedford, Indiana. H. J. Reed and H. G. Hall. (Indiana Sta. Circ. 183, 24 pp., 22 figs. June 1931.)
- Genetic tests for linkage between row number genes and certain qualitative genes in maize. E. W. Lindstrom. (Iowa Sta. Res. Bul. 142, pp. 249-288. June 1931.)
- The effect of soil reaction on the growth of tomatoes and lettuce and on the nitrogen, phosphorus and manganese content of the soil and plant. E. M. Emmert. (Kentucky Sta. Bul. 314, 83 pp., 16 figs. March 1931.)
- Commercial feeds in Kentucky in 1930. J. D. Turner, H. D. Spears, W. G. Terrell, and L. V. Amburgey. (Kentucky Sta. Bul. 315, pp. 85-125. June 1931.)
- Forty-third annual report of the agricultural experiment station of the University of Kentucky for the year 1930, Part I. T. P. Cooper. 48 pp. 1931.
- Studies on sugar cane roots. T. C. Ryker and C. W. Edgerton. (Louisiana Sta. Bul. 223, 36 pp., 9 figs. July 1931.)
- The organization and financial returns of 129 small-sized Louisiana cane farms, 1930. G. H. Reuss. (Louisiana Sta. Bul. 224, 39 pp., 6 figs. July 1931.)
- Part I, Sugarcane variety test fields. C. B. Gouaux.- Part II, Sugarcane variety report for season 1930-31. E. C. Simon. (Louisiana Sta. Bul. 226, 36 pp. July 1931.)
- Effect of fall applications of sodium nitrate upon the color, keeping quality and nitrogen content of apples. W. W. Aldrich. (Maryland Sta. Bul. 326, pp. 363-406 May 1931.)
- Planning the farm business on three dairy-fruit farms in Massachusetts. R. L. Mitchell. (Massachusetts Sta. Bul. 275, pp. 90-115, 5 figs. June 1931.)
- Increasing soil acidity as a means of controlling black root-rot of tobacco. W. L. Doran. (Massachusetts Sta. Bul. 276, 146 pp., 2 figs. June 1931.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 14, No. 1, 66 pp., 15 figs. Aug. 1931.)

- Sixty-ninth annual report of the secretary of the State Board of Agriculture of the State of Michigan and forty-third annual report of the experiment station from July 1, 1929, to June 30, 1930. H. H. Halladay et al. 264 pp., 21 figs. 1930.
- Minnesota agricultural indexes of prices, quantities and cash incomes, 1910-1927. A. G. Black and D. D. Kittredge. (Minnesota Sta. Tech. Bul. 72, 90 pp., 7 figs. Dec. 1930.)
- Physiologic specialization in Fusarium spp. causing headblight of small grains. Chih Tu. (Minnesota Sta. Tech. Bul. 74, 27 pp., 5 figs. Dec. 1930.)
- The Coccinellidae (ladybird beetles) of Minnesota (coleoptera). W. C. Stehr. (Minnesota Sta. Tech. Bul. 75, 54 pp., 1 fig. Dec. 1930.)
- Agricultural high school dormitories of Mississippi. D. Dickins. (Mississippi Sta. Bul. 293, 42 pp., 13 figs. Aug. 1931.)
- Progress in agricultural research. F. B. Mumford and S. B. Shirky. (Missouri Sta. Bul. 300, 107 pp., 16 figs. April 1931.)
- Feeding low-priced wheat to lambs, a report of an economic study of livestock feeding in relation to low-priced wheat in Montana. M. H. Saunderson and L. Vinke. (Montana Sta. Bul. 249, 14 pp., 1 fig. July 1931.)
- Comparison of Hampshire and Rambouillet rams as sires of market lambs. W. E. Joseph. (Montana Sta. Bul. 250, 15 pp., 5 figs. July 1931.)
- The cause and prevention of mechanical injuries to potatoes. H. O. Werner. (Nebraska Sta. Bul. 260, 35 pp., 16 figs. Aug. 1931.)
- Agricultural research in New Hampshire.--Annual report of the director of the New Hampshire Agricultural Experiment Station for the year 1930. J. C. Kendall. (New Hampshire Sta. Bul. 256, 27 pp., 8 figs. Apr. 1931.)
- Studies in economics of apple orcharding! I, An apple enterprise study--costs and management. H. C. Woodworth and G. F. Potter. (New Hampshire Sta. Bul. 257, 71 pp., 21 figs. May 1931.)
- Peonies in the garden. C. H. Connors. (New Jersey Stas. Circ. 250, 8 pp., 1 fig. Aug. 1931.)
- The role of egg-laying contests in flock improvement. J. W. Goodman. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 10, 4 pp., 1 fig. July 1931.)
- Bowl paralysis. F. R. Beaudette and C. B. Hudson. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 11, 4 pp. Aug. 1931.)
- Estimating egg production by the score card. C. S. Platt and J. C. Taylor. (New Jersey Stas. Hints to Poultrymen, vol. 19, No. 12, 4 pp., 1 fig. Sept. 1931.)

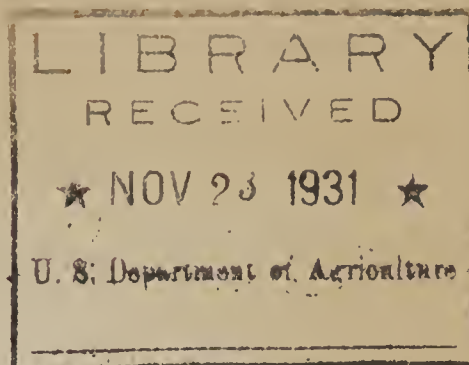
- Williston Substation report, April 1, 1930, to March 31, 1931. E. G. Schollander. (North Dakota Sta. Bul. 248, 41 pp., 12 figs. May 1931.)
- Potatoes for dairy cows. J. R. Dice. (North Dakota Sta. Bul. 249, 19 pp., 1 fig. June 1931.)
- Studies on sweet clover disease. L. M. Roderick and A. F. Schalk. (North Dakota Sta. Bul. 250, 56 pp., 9 figs. July 1931.)
- Seasonal variation in the rate of growth of pre-school children. H. McKay and M. A. Brown. (Ohio Sta. Bul. 482, 33 pp., 1 fig. July 1931.)
- Factors affecting fruit setting.--I, Stayman Winesap. F. S. Howlett. (Ohio Sta. Bul. 483, 54 pp., 14 figs. Aug. 1931.)
- Studies on the reaction of greenhouse soils to the growth of plants. W. W. Wiggins and J. H. Gourley. (Ohio Sta. Bul. 484, 30 pp., 7 figs. Aug. 1931.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 152, pp. 153-200, 9 figs. Sept.-Oct. 1931.)
- An economic study of the hop industry in Oregon. G. L. Sulerud. (Oregon Sta. Bul. 288, 77 pp., 24 figs. June 1931.)
- The Angora goat industry of Oregon. O. M. Nelson. (Oregon Sta. Bul. 289, 27 pp., 6 figs. June 1931.)
- Raising calves on dry calf meals. I. R. Jones, P. M. Brandt, and F. D. Wilson. (Oregon Sta. Bul. 290, 30 pp., 6 pls., 12 charts. June 1931.)
- Factors for consideration in standardization of Oregon dried prunes. E. H. Wiegand and D. E. Bullis. (Oregon Sta. Bul. 291, 35 pp., 11 figs. June 1931.)
- Farm electric milk refrigeration. J. E. Nicholas. (Pennsylvania Sta. Bul. 267, 39 pp., 9 figs. Apr. 1931.)
- Membership problems in farmers' cooperative purchasing associations. J. K. Stern. (Pennsylvania Sta. Bul. 268, 38 pp., 4 figs. July 1931.)
- Inheritance of body-weight in domestic fowl. N. F. Waters. (Rhode Island Sta. Bul. 228, 105 pp., 3 pls., 46 figs. July 1931.)
- The play and recreation of children and youth in selected rural areas of South Carolina. M. E. Fraysér. (South Carolina Sta. Bul. 275, 67 pp., 12 figs. June 1931.)
- Analyses of commercial fertilizers. R. N. Brackett and D. H. Henry. (South Carolina Sta. Bul. 276, 55 pp. Aug. 1931.)
- Rations for fattening swine: A comparison of hand and free-choice feeding of corn and fish meal to fattening hogs in dry lot and on green barley. E. G. Godbey. (South Carolina Sta. Bul. 277, 8 pp., 2 figs. Aug. 1931.)

- Biological studies of the oriental fruit moth, 1930. C. O. Eddy and W. C. Nettles. (South Carolina Sta. Bul. 278, 21 pp., 6 figs. Aug. 1931.)
- The fertilizing value of greensand. G. S. Fraps. (Texas Sta. Bul. 428, 25 pp. June 1931.)
- The effect of cottonseed meal and other feeds on the storage quality of eggs. R. M. Sherwood. (Texas Sta. Bul. 429, 19 pp., 2 figs. July 1931.)
- Late blight of tomatoes and potatoes. J. J. Taubenhaus and W. N. Ezekiel. (Texas Sta. Circ. 60, 15 pp., 5 figs. July 1931.)
- Forty-third annual report of the [Texas Agricultural Experiment Station], 1930. A. B. Conner et al. 168 pp., 1 fig. [1931.]
- Snow-melting characteristics. G. D. Clyde. (Utah Sta. Bul. 231 (Tech.), 47 pp., 17 figs. Aug. 1931.)
- The taxation system of Virginia. R. A. Ballinger. (Virginia Sta. Bul. 279, 22 pp., 1 fig. July 1931.)
- The value of husk protection to corn ears in limiting corn earworm injury. W. J. Phillips and G. W. Barber. (Virginia Sta. Tech. Bul. 43, 24 pp., 7 figs. July 1931.)
- Cost of wheat production by power methods of farming, 1919-1929. J. G. Klengard and G. F. Cadisch. (Washington Col. Sta. Bul. 255, 24 pp., 6 figs. June 1931.)
- Wheat varieties of Washington in 1929. E. F. Gaines and E. G. Schafer. (Washington Col. Sta. Bul. 256, 23 pp., 5 figs. July 1931.)
- The relation of air conditions to tobacco curing. J. Johnson and W. B. Ogden. (Wisconsin Sta. Res. Bul. 110, 48 pp., 8 pls., 12 figs. July 1931.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING OCTOBER 1931



Note: The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Small grain crops in Alabama. R. Y. Bailey and J. L. Seal. (Alabama Sta. Circ. 60, 19 pp., 7 figs. Aug. 1931.)

The resistance of varieties and new dwarf races of tomato to curly top (western yellow blight or yellows). J. W. Lesley. (Hilgardia [California Sta.], vol. 6, No. 2, pp. 27-44. Aug. 1931.)

Distribution of solid matter in thick and thin egg white; measurement of deterioration in the stored hen's egg. W. F. Holst and H. J. Almquist.--Variability of shell porosity in the hen's egg. H. J. Almquist and W. F. Holst. (Hilgardia [California Sta.], vol. 6, No. 3, pp. 45-72, 10 figs. Aug. 1931.)

Factors influencing the establishment of irrigated pastures in northern Colorado. H. C. Hanson. (Colorado Sta. Bul. 378, 53 pp., 32 figs. July 1931.)

Colorado drylot fattening rations for lambs. E. J. Maynard, G. E. Morton, and H. B. Osland. (Colorado Sta. Bul. 379, 64 pp., 15 figs. Aug. 1931.)

Silage and trench silos in Colorado. H. B. Osland. (Colorado Sta. Bul. 380, 21 pp., 11 figs. Sept. 1931.)

The relation of forest composition and rate of growth to certain soil characters. H. W. Hicock et al. (Connecticut State Sta. Bul. 330, pp. 671-750, 19 figs. July 1931.)

Determination of the winter survival of the cotton boll weevil by field counts. E. F. Grossman and P. W. Calhoun. (Florida Sta. Bul. 233, 47 pp., 13 figs. June 1931.)

The two-spotted mite (Tetranychus telarius L.) on Asparagus plumosus. J. W. Wilson. (Florida Sta. Bul. 234, 20 pp., 6 figs. June 1931.)

Vitamin content of turnip greens, collard, cantaloupes and peaches. C. L. Newton. (Georgia Sta. Bul. 167, 20 pp., 3 figs. Aug. 1931.)

Physicochemical properties of edible-canna and potato starches. J. C. Ripperton. (Hawaii Sta. Bul. 63, 48 pp., 14 figs. Oct. 1931.)

Work and progress [report of the director] of the agricultural experiment station for the year ending December 31, 1930. E. J. Iddings. (Idaho Sta. Bul. 179, 47 pp. June 1931.)

- Sterilizing dairy utensils on the farm. D. R. Theophilus and F. W. Atkeson. (Idaho Sta. Bul. 183, 28 pp., 10 figs. June 1931.)
- Living expenditures of a selected group of Illinois farm and small-town families, 1929-30. R. C. Freeman and M. A. Souder. (Illinois Sta. Bul. 372, pp. 329-351, 2 figs. Sept. 1931.)
- Harvesting the corn crop in Illinois, an economic study of methods and relative costs. P. E. Johnston and K. H. Myers. (Illinois Sta. Bul. 373, pp. 353-405, 8 figs. Sept. 1931.)
- Infectious laryngotracheitis in fowls. R. Graham and F. Thorp, jr. (Illinois Sta. Circ. 379, 16 pp., 10 figs. Oct. 1931.)
- A year's progress in solving farm problems of Illinois: Annual report....Illinois Agricultural Experiment Station, forty-fourth report for the year ended June 30, 1931. H. W. Mumford et al. 304 pp., 66 figs. 1931.
- Morphological development of sweet corn pericarp in two inbred lines and their F_1 hybrid. E. S. Haddad. (Indiana Sta. Bul. 347, 24 pp., 14 figs. Mar. 1931.)
- A study of methods for cleaning milking machines. E. H. Parfitt. (Indiana Sta. Bul. 348, 24 pp., 13 figs. Jan. 1931.)
- The adaptability of the combine to Indiana farms. I. D. Mayer and J. C. Bottum. (Indiana Sta. Bul. 349, 59 pp., 23 figs. Mar. 1931.)
- Tomato color as related to quality in the tomato canning industry. J. H. McGillivray. (Indiana Sta. Bul. 350, 35 pp., 11 figs. Apr. 1931.)
- The relation of insects to the transmission of potato leafroll and tomato mosaic in Indiana. C. R. Cleveland. (Indiana Sta. Bul. 351, 24 pp., 2 figs. Apr. 1931.)
- The Indianapolis apple market, 1929-1930 apple crop. F. C. Gaylord and H. M. Cleaver. (Indiana Sta. Bul. 352, 24 pp., 5 figs. Mar. 1931.)
- Operating water pumps with electric power. T. E. Hienton. (Indiana Sta. Circ. 184, 4 pp., 3 figs. July 1931.)
- Value of family living on Iowa farms. E. E. Hoyt and E. C. Morgan. (Iowa Sta. Bul. 281, pp. 187-239, 2 figs. June 1931.)
- Soybean and alfalfa hays for wintering pregnant ewes. W. E. Hammond, J. H. Evvard, and C. C. Culbertson. (Iowa Sta. Bul. 282, pp. 240-256. June 1931.)
- Retail credit in Iowa farmers' elevators. F. Robotta. (Iowa Sta. Bul. 283, pp. 258-312, 8 figs. June 1931.)
- The trend of corn prices. G. S. Shepherd. (Iowa Sta. Bul. 284, pp. 314-328, 7 figs. July 1931.)
- The secular movement of corn prices. G. S. Shepherd. (Iowa Sta. Res. Bul. 140, pp. 177-223, 14 figs. June 1931.)

- Bacteriology of butter: III, A method for studying the contamination from churns. B. W. Hammer and H. C. Olson. (Iowa Sta. Res. Bul. 141, pp. 227-248, 20 figs. June 1931.)
- The biology of the stalk borer, Papaipema nebris (Gn.). G. C. Decker. (Iowa Sta. Res. Bul. 143, pp. 289-351, 22 figs. June 1931.)
- Feeding and management of horses. A. B. Caine. (Iowa Sta. Circ. 130, 54 pp., 14 figs. July 1931.)
- Varieties of tree fruits for Iowa planting. H. L. Lantz. (Iowa Sta. Circ. 131, 48 pp., 14 figs. June 1931.)
- Tame pastures in Kansas. A. E. Aldous and J. W. Zahnley. (Kansas Sta. Bul. 253, 40 pp., 11 figs. Jan. 1931.)
- Dissemination of pullorum disease in the incubator. L. D. Bushnell and L. F. Payne. (Kansas Sta. Tech. Bul. 29, 60 pp., 10 figs. Aug. 1931.)
- Meteorological observations for July 1931. C. I. Gunness and F. R. Shaw. (Massachusetts Sta. Met. Bul. 511, 4 pp. July 1931.)
- Meteorological observations for August 1931. C. I. Gunness and F. R. Shaw. (Massachusetts Sta. Met. Bul. 512, 4 pp. Aug. 1931.)
- Meteorological observations for September 1931. C. I. Gunness and K. M. Wheeler. (Massachusetts Sta. Met. Bul. 513, 4 pp. Sept. 1931.)
- Trends in purchasing power and cost of production of fruits. G. N. Motts. (Michigan Sta. Tech. Bul. 120, 73 pp., 38 figs. Aug. 1931.)
- Root crops for forage in Michigan. H. C. Moore and E. J. Wheeler. (Michigan Sta. Spec. Bul. 216, 18 pp., 13 figs. Aug. 1931.)
- Eradication methods for rats and mice. L. R. Dice and G. W. Bradt. (Michigan Sta. Circ. 138, 11 pp., 5 figs. Aug. 1931.)
- Blackleg disease of potatoes in Minnesota. J. G. Leach. (Minnesota Sta. Tech. Bul. 76, 36 pp., 16 figs. Mar. 1931.)
- Further studies of the test-tube agglutination test for the diagnosis of Bang's disease (contagious abortion). C. P. Fitch, C. R. Donham, and W. L. Boyd. (Minnesota Sta. Tech. Bul. 77, 69 pp. June 1931.)
- Linkage relations in barley. A. Daane. (Minnesota Sta. Tech. Bul. 78, 30 pp. Aug. 1931.)
- The Red Wing project on utilization of electricity in agriculture. E. A. Stewart, J. M. Larson, and J. Romness. (Minnesota Sta. [unnumbered publication], 153 pp., 168 figs. [1930.]

Conservation of iron in vegetables by methods of preparation and cooking.

O. Sheets, E. Frazier, and D. Dickins. (Mississippi Sta. Bul. 291, 16 pp. May 1931.)

Food consumption of boys and girls in six typical agricultural high schools of Mississippi. D. Dickins. (Mississippi Sta. Bul. 292, 32 pp., 1 fig. June 1931.)

Hard seeds in legumes, interpretation of their value and methods of treatment. W. O. Whitcomb. (Montana Sta. Bul. 248, 63 pp., 11 figs. July 1931.)

Alfalfa hay and small grains for fattening yearling steers. L. Vinke and P. Pearson. (Montana Sta. Bul. 251, 24 pp., 5 figs. Sept. 1931.)

Wheat for fattening hogs. W. J. Loeffel. (Nebraska Sta. Bul. 261, 19 pp., 2 figs. Oct. 1931.)

Studies of rickets in swine. W. J. Loeffel, R. R. Thalman, F. C. Olson, and F. A. Olson. (Nebraska Sta. Res. Bul. 58; 67 pp., 4 pls., 7 figs. Aug. 1931.)

A practical poultry breeding improvement program. W. C. Thompson. (New Jersey Stas. Bul. 527, 16 pp., 7 figs. July 1931.)

The winter-time management of the laying flock. W. C. Thompson. (New Jersey Stas. Circ. 249, 32 pp., 32 figs. Aug. 1931.)

Some nitrogen relationships in muck soils. B. D. Wilson and G. R. Townsend. (New York Cornell Sta. Mem. 137, 14 pp., 2 figs. Aug. 1931.)

Some effects of legumes in relation to economical crop production. R. C. Collison. (New York State Sta. Bul. 596, 16 pp., 6 figs. Aug. 1931.)

Vegetable seed treatment. E. E. Clayton. (New York State Sta. Bul. 597, 15 pp., 6 figs. Sept. 1931.)

Variation in the lima bean, Phaseolus lunatus L., as illustrated by its synonymy. G. P. Van Eseltine. (New York State Sta. Tech. Bul. 182, 24 pp., 1 pl., 3 figs. July 1931.)

Vegetable seed treatment with special reference to the use of hot water and organic mercurials. E. E. Clayton. (New York State Sta. Tech. Bul. 183, 43 pp., 6 figs. Aug. 1931.)

An appreciation of the life and work of Dr. Lucius Lincoln Van Slyke. U. P. Hedrick et al. (New York State Sta. [unnumbered publication], 3 pp., portrait. Oct. 1931.)

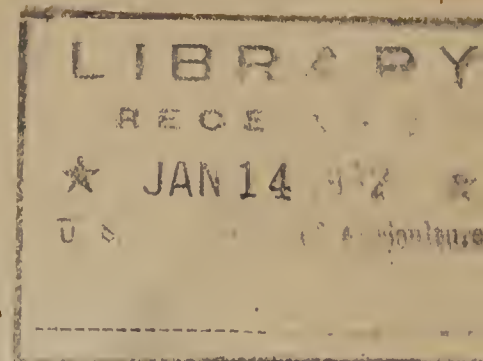
Orchard management. (New York State Sta. Circ. 121, 21 pp. Mar. 1931.)

Aster seed treatment. W. O. Gloyer. (New York State Sta. Circ. 122, 6 pp., 2 figs. May 1931.)

- Home-made sauerkraut. C. D. Pederson. (New York State Sta. Circ. 123, 4 pp., 1 fig. Aug. 1931.)
- The enzymic clarification of fruit juices. Z. I. Kertesz. (New York State Sta. Circ. 124, 4 pp., 1 fig. Sept. 1931.)
- The farm business accounts. Farm inventories. G. W. Forster. (North Carolina Sta. Bul. 278, 28 pp., 1 fig. Aug. 1931.)
- The value of peanuts for growing pigs. J. O. Halverson, E. H. Hostetler, and F. W. Sherwood. (North Carolina Sta. Tech. Bul. 41, 27 pp., 4 figs. Sept. 1931.)
- Source and care of cotton planting seed in relation to the length of staple. J. H. Moore and J. A. Shanklin. (North Carolina Sta. Tech. Bul. 42, 31 pp., 14 figs. Aug. 1931.)
- Land utilization in a southeastern Ohio county. J. E. Sitterley, H. R. Moore, and J. I. Falconer. (Ohio Sta. Bul. 485, 38 pp., 13 figs. Aug. 1931.)
- The garden symphyliid, *Scutigera immaculata* Newport. G. A. Filingier. (Ohio Sta. Bul. 486, 33 pp., 19 figs. Sept. 1931.)
- The propagation of flowers by cuttings and seeds. W. W. Wiggin. (Ohio Sta. Bul. 487, 37 pp., 7 figs. Sept. 1931.)
- Improving corn and tankage for pigs not on pasture. W. L. Robison. (Ohio Sta. Bul. 488, 41 pp. Sept. 1931.)
- Movement of open country population in Ohio. P. G. Beck and C. E. Lively. (Ohio Sta. Bul. 489, 46 pp. Sept. 1931.)
- Avian coccidiosis. R. E. Rebrassier. (Ohio Sta. Spec. Circ. 34, 7 pp., 2 figs. [1931.]
- Systems of farming in Oklahoma: No. 1, Wheat farming in north central Oklahoma. P. H. Stephens and E. Rauchenstein. (Oklahoma Sta. Bul. 199, 56 pp., 8 figs. Apr. 1931.)
- Wheat varieties on the high plains of Oklahoma. H. E. Finnell. (Oklahoma Sta. Bul. 200, 32 pp. May 1931.)
- Current farm economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 4, No. 5, 24 pp., 2 figs. Oct. 1931.)
- The Pennsylvania Agricultural Experiment Station 44th annual report for the fiscal year ending June 30, 1931. R. L. Watts et al. (Pennsylvania Sta. Bul. 266, 40 pp., 15 figs. July 1931.)
- Relation of price to quality of South Carolina cotton, 1929-1930 season. M. Guin. (South Carolina Sta. Bul. 279, 32 pp., 10 figs. Aug. 1931.)
- Farm power utilization and costs, South Carolina. B. A. Russell. (South Carolina Sta. Bul. 280, 43 pp., 13 figs. Sept. 1931.)

- Clarification versus filtration of milk. D. H. Jacobsen and T. M. Olson.
(South Dakota Sta. Bul. 257, 12 pp., 1 fig. Apr. 1931.)
- Rural health situation in South Dakota. W. F. Kumlien. (South Dakota Sta. Bul. 258, 30 pp., 21 figs. Apr. 1931.)
- Prices paid to producers of South Dakota farm products, 1890-1930. J. L. Orr.
(South Dakota Sta. Bul. 259, 20 pp., 11 figs. Apr. 1931.)
- The ornamental trees of South Dakota. N. E. Hansen. (South Dakota Sta. Bul. 260, 63 pp., 8 figs. Apr. 1931.)
- The vitamin C content of fresh and canned spinach, Swiss chard, asparagus, and carrots. G. E. Wasson. (South Dakota Sta. Bul. 261, 28 pp., 13 figs. Apr. 1931.)
- Barley as a fattening feed for cattle and swine in South Dakota. J. W. Wilson and T. Wright. (South Dakota Sta. Bul. 262, 39 pp. Apr. 1931.)
- Destroy the grasshopper eggs. H. C. Severin and G. I. Gilbertson. (South Dakota Sta. Bul. 267, 14 pp., 10 figs. Oct. 1931.)
- Chemical composition of soils of Cameron, Coleman, Dallas, Erath, Harris, Reeves, Rockwall and Tarrant Counties. G. S. Fraps. (Texas Sta. Bul. 430, 83 pp. July 1931.)
- The soils of Texas. W. T. Carter. (Texas Sta. Bul. 431, 192 pp., 90 figs., 1 map. July 1931.)
- Manganese in Texas soils and its relation to crops. E. C. Carlyle. (Texas Sta. Bul. 432, 37 pp. Aug. 1931.)
- Bitterweed poisoning in sheep. W. T. Hardy, V. L. Cory, H. Schmidt, and W. H. Dameron. (Texas Sta. Bul. 433, 18 pp., 2 figs. Aug. 1931.)
- Commercial fertilizers in 1930-31 and their uses. G. S. Fraps and S. E. Asbury. (Texas Sta. Bul. 434, 47 pp. Sept. 1931.)
- Commercial feeding stuffs. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 328, 44 pp. Apr. 1931.)
- Manufacturing and marketing dairy products in Virginia. J. L. Maxton. (Virginia Sta. Bul. 280, 35 pp., 7 figs. Aug. 1931.)
- The use of peanut meal as a source of protein in starting mashes for chicks. R. L. Bryant. (Virginia Sta. Bul. 281, 13 pp., 5 figs. Aug. 1931.)
- Necrobacillosis of calves (calf diphtheria). C. Elder, A. M. Lee, and L. H. Scrivner. (Wyoming Sta. Bul. 183, 15 pp., 7 figs. Aug. 1931.)
- Wyoming forage plants and their chemical composition, Studies No. 9. O. C. McCreary. (Wyoming Sta. Bul. 184, 23 pp., 1 fig. Aug. 1931.)

United States Department of Agriculture
Office of Experiment Stations



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING NOVEMBER 1931

Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The relation of quality of cotton to prices paid to farmers in Alabama. J.D. Pope and C. M. Clark. (Alabama Sta. Bul. 235, 48 pp., 5 fig. Sept. 1931.)

Control of the harvester ant. A.A. Nichol. (Arizona Sta. Bul. 138, pp. 639-652, 10 figs. Sept. 1931.)

Cost of producing field crops in the Salt River Valley, Arizona, 1928. S. P. Clark. (Arizona Sta. Bul. 139, pp. 653-667, 12 figs. Oct. 1931.)

Studies in lettuce seedbed irrigation under high temperature conditions. M. F. Wharton and C. Hobart. (Arizona Sta. Tech. Bul. 33, pp. 283-303, 11 figs. Sept. 1931.)

The vitamin content of three varieties of dates. M. C. Smith and L. A. Meeker. (Arizona Sta. Tech. Bul. 34, pp. 305-317. Oct. 1931.)

Series on California crops and prices: Dairy products. E. C. Voorhies. (California Sta. Bul. 514, 188 pp., 38 figs. Oct. 1931.)

The European brown snail in California. A. J. Basinger. (California Sta. Bul. 515, 22 pp., 16 figs. Oct. 1931.)

Operations of the Poultry Producers of southern California, Inc., J. M. Tinley and E. A. Stokdyk. (California Sta. Bul. 516, 106 pp., 13 figs. Oct. 1931.)

Nectar and pollen plants of California. G. H. Vansell. (California Sta. Bul. 517, 60 pp., 64 figs. Oct. 1931.)

The propagation of citrus by cuttings. F. F. Halma. (Hilgardia [California Sta], vol. 6, No. 5, pp. 131-157, 13 figs. Oct. 1931.)

Hay requirements of city work horses. J. A. Simms and J. O. Williams. (Connecticut Storrs Sta. Bul. 173, 29 pp., 14 figs. May 1931.)

Food requirements of pregnancy in swine. H. H. Mitchell, W. E. Carroll, T. S. Hamilton, and G. E. Hunt. (Illinois Sta. Bul. 375, pp. 467-504, 8 figs. Nov. 1931.)

How to stop "weevil" damage in stored grain. W. P. Flint. (Illinois Sta. Circ. 380, 4 pp., 3 figs. Nov. 1931.)

Analyses of commercial fertilizers. H. E. Curtis, H. R. Allen, and L. Gault. (Kentucky Sta. Bul. 313, pp. 629-723. Dec. 1930.)

The standard of living of farm families in Grayson County, Kentucky. M. Oyler. (Kentucky Sta. Bul. 316, pp. 127-159. June 1931.)

Farm organization and management in Grayson County. W. L. Rouse, H. W. Hawthorne, and Z. L. Galloway. (Kentucky Sta. Bul. 317, pp. 161-215, 1 fig. July 1931.)

Adaptability of red clovers from different regions to Kentucky. E. N. Fergus. (Kentucky Sta. Bul. 318, pp. 217-246, 15 figs. Aug. 1931.)

Foods and drugs. J. M. Bartlett. (Maine Sta. Off. Insp. 139, 16 pp. Apr. 1931.)

Commercial feedingstuffs, 1930-1931. J. M. Bartlett. (Maine Sta. Off. Insp. 140, pp. 17-48. Aug. 1931.)

Meteorological observations for October, 1931. C. I. Gunness and K. M. Wheeler. (Massachusetts Sta. Met. Bul. 514, 4 pp. Oct. 1931.)

The consumption of milk and dairy products in metropolitan Boston in December 1930. F. V. Waugh. (Massachusetts Sta. [Unnumbered Publication], 27 pp. Sept. 1931.) Published in cooperation with the New Hampshire Station and other organizations.

The diagnosis of species of *Fusarium* by use of growth-inhibiting substances in the culture medium. G. H. Coons and M. C. Strong. (Michigan Sta. Tech. Bul. 115, 78 pp., 7 pls. July 1931.)

Vegetative propagation of the black walnut, with special reference to the factors influencing callus formation and union in grafting. B. G. Sitton. (Michigan Sta. Tech. Bul. 119, 45 pp., 21 figs. Sept. 1931.)

Corn, wheat, and rye for fattening calves. M. L. Baker. (Nebraska Sta. Bul. 263, 11 pp., 5 figs. Oct. 1931.)

The influence of number of daily milkings on the production of dairy cows. R. F. Morgan and H. P. Davis. (Nebraska Sta. Res. Bul. 59, 27 pp. Sept. 1931.)

The University Fruit Farm at Union, Nebraska. C. C. Wiggans. (Nebraska Sta. Circ. 45, 17, pp., 7 figs. Sept. 1931.)

Production of crops and livestock on the Newlands Project 1930. F. B. Headley and C. Vonstrom. (Nevada Sta. Bul. 123, 14 pp., 2 figs. Sept. 1931.)

Results of seed tests for 1931 made for the State Department of Agriculture. B. G. Sanborn and L. J. Higgins. (New Hampshire Sta. Bul. 258, 18 pp. Aug. 1931.)

- Some results of inbreeding on fecundity and on growth in sheep. E. G. Hitzman and C. B. Davenport. (New Hampshire Sta. Tech. Bul. 47, 27 pp.; June 1931.)
- Consumer preferences for potatoes. E. H. Rinear. (New Hampshire Sta. Circ. 37, 14 pp. June 1931.)
- Development and ripening of peaches as correlated with physical characteristics, chemical composition, and histological structure of the fruit flesh: 1, Physical measurements of growth and flesh texture in relation to the market and edible qualities of the fruit. M. A. Blake, O. W. Davidson, R. M. Addoms, and G. T. Nightingale. (New Jersey Stas. Bul. 525, 35 pp., 12 figs. Sept. 1931.)
- The significance of measurements of quantity and quality of egg yield. W. C. Thompson, D. Philpott, and H. C. Page. (New Jersey Stas. Bul. 528, 40 pp., 6 figs. July 1931.)
- The care and management of the small poultry flock. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 20, No. 1, 4 pp., 1 fig. Oct. 1931.)
- New Jersey egg-laying contests for 1930-1931. J. W. Goodman. (New Jersey Stas. Hints to Poultrymen, vol. 20, No. 2, 4 pp., 1 fig. Nov. 1931.)
- New Mexico egg storage studies, Part II. A. L. Walker, L. N. Berry, and E. E. Anderson. (New Mexico Sta. Bul. 195, 25 pp., 3 figs. May 1931.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 153, pp. 203-248, 8 figs. Nov.-Dec. 1931.)
- Some social and economic aspects of the problem of rural health in Oklahoma. O. D. Duncan. (Oklahoma Sta. Circ. 78, 19 pp., 3 figs. Sept. 1931.)
- Report of proceedings of the Second Southwest Soil and Water Conservation Conference, held at the Oklahoma A. and M. College, Stillwater, June 19 and 20, 1930. (Oklahoma Sta. Circ. 79, 94 pp. Oct. 1931.)
- Commercial economic poisons commonly known as fungicides and insecticides. R. H. Robinson and C. F. Whitaker. (Oregon Sta. Circ. 106, 22 pp. July 1931.)
- The measurement of mine props, linear foot, top diameter, weight and volume tables. A. C. McIntyre and G. L. Schnur. (Pennsylvania Sta. Bul. 269, 24 pp., 13 figs. Sept. 1931.)
- El cultivo de las frutas citrosas en Puerto Rico. H. C. Henricksen. (Porto Rico Sta. Bul. 33, Spanish ed., 35 pp., 16 figs. Oct. 1931.)
- The fertilization of red raspberries. A. E. Steno. (Rhode Island Sta. Bul. 229, 21 pp., 2 figs. Aug. 1931.)
- A study of the organization and management of Rhode Island farms. J. L. Tennant. (Rhode Island Sta. Bul. 230, 56 pp., 9 figs. Sept. 1931.)

Certain relationships of potash fertilization and varieties of potatoes to table value. M. Whittenmore and B. M. Kuschke. (Rhode Island Sta. Bul. 231, 16 pp., 1 fig. Aug. 1931.)

Utilization of citric acid and of sodium citrate by Salmonella pullorum. J. C. Weldin and A. R. Miller. (Rhode Island Sta. Bul. 232, 16 pp. Sept. 1931.)

Inspection of fertilizers. W. L. Adams, D. R. Willard, and A. S. Knowles, Jr. (Rhode Island Sta. Ann. Fert. Circ., 17 pp. Sept. 1931.)

Dry lot rations for fattening hogs, a study of the relative value of protein supplements. E. G. Godbey and L. V. Starkey. (South Carolina Sta. Bul. 281, 15 pp. Oct. 1931.)

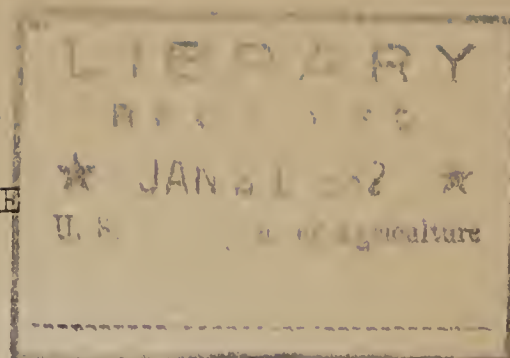
Annual report of the Virginia Polytechnic Institute Agricultural Experiment Station for the period July 1, 1927, to June 30, 1931. A. W. Drinkard, Jr. 87 pp., 6 figs. 1931.

Local rural leaders in Washington. H. W. Starling and F. R. Yoder. (Washington Col. Sta. Bul. 257, 35 pp., 1 fig. Sept. 1931.)

Lamb feeding experiments. H. Hackedora, J. Sotola, and H. P. Singleton. (Washington Col. Sta. Bul. 258, 16 pp., 1 fig. Sept. 1931.)

Soybean culture and varieties. M. N. Hoover, T. C. McIlvaine, and R. J. Garber. (West Virginia Sta. Bul. 243, 16 pp., 1 fig. Sept. 1931.)

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING DECEMBER 1931

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Forty-third annual report, fiscal year ending June 30, 1931. D. T. Gray et al. (Arkansas Sta. Bul. 268, 74 pp. Nov. 1931.)

The garden centipede. F. H. Wymore. (California Sta. Bul. 518, 22 pp., 12 figs. Nov. 1931.)

Pruning and thinning experiments with grapes. A. J. Winkler. (California Sta. Bul. 519, 56 pp., 14 figs. Nov. 1931.)

A survey of infectious laryngotracheitis of fowls. W. R. Hinshaw. (California Sta. Bul. 520, 36 pp., 6 figs. Nov. 1931.)

Series on California crops and prices: Alfalfa. E. W. Braun. (California Sta. Bul. 521, 37 pp., 11 figs. Dec. 1931.)

Factors affecting California raisin sales and prices, 1922-1929. S.W. Shear and R. M. Howe.--Factors affecting annual prices of California fresh grapes, 1921-1929. L. D. Mallory, S. R. Smith, and S. W. Shear. (Hilgardia [California Sta.], vol. 6, No. 4, pp. 73-130, 15 figs. Sept. 1931.)

Effect of paper mulches on soil temperature, soil moisture, and yields of certain crops. A. Smith. (Hilgardia [California Sta.], vol. 6, No. 6, pp. 159-201, 30 figs. Nov. 1931.)

Downy mildew of the beet caused by Peronospora schachtii Fuckel. L. D. Leach, (Hilgardia [California Sta.], vol. 6, No. 7, pp. 203-251, 13 figs. Nov. 1931.)

Modes of curly-top transmission by the beet leafhopper, Eutettix tenellus (Baker). H. E. P. Severin. (Hilgardia [California Sta.], vol. 6, No. 8, pp. 253-276, 6 figs. Nov. 1931.)

The infectious nature of potato calico. D.R. Porter. (Hilgardia [California Sta.], vol. 6, No. 9, pp. 277-294, 1 pl., 6 figs. Nov. 1931.)

The effect of hydrogen-ion concentration on the toxicity of several preservatives to microorganisms. W. V. Cruess, P.H. Richert, and J.H. Irish. (Hilgardia [California Sta.], vol. 6, No. 10, pp. 295-314, 2 figs. Nov. 1931.)

Annual report of the director for the fiscal year ending June 30, 1931.

C. A. McCue et al. (Delaware Sta. Bul. 172, 51 pp. Nov. 1931.)

Studies in taxation: Receipts and expenditures of county governments in Delaware. M. M. Daugherty. (Delaware Sta. Bul. 173, 59 pp., 44 figs. Nov. 1931.)

Development of strains of cigar wrapper tobacco resistant to blackshank (Phytophthora nicotianae Breda de Haan). W. B. Tisdale. (Florida Sta. Bul. 226, 45 pp., 12 figs. Mar. 1931.)

Diseases of citrus in Florida. A. S. Rhoads and E. F. DeBusk. (Florida Sta. Bul. 229, 213 pp., 100 figs. June 1931.)

Spraying and dusting cucumbers for control of downy mildew from 1925 to 1930. G. F. Weber. (Florida Sta. Bul. 230, 58 pp., 1 fig. June 1931.)

Crimp, a nematode disease of strawberry. A. N. Brooks. (Florida Sta. Bul. 235, 27 pp., 5 figs. July 1931.)

Bottom rot and related diseases of cabbage caused by Corticium vagum B. & C. G. F. Weber. (Florida Sta. Bul. 242, 31 pp., 15 figs. Nov. 1931.)

Report of the Guam Agricultural Experiment Station, 1930. C. W. Edwards et al. 29 pp., 21 figs. Sept. 1931.

Management factors that influence farm profits in southwest Illinois, a study based on records from more than a hundred farms in the wheat and dairy area neighboring St. Louis. R. H. Wilcox, C. W. Crickman, and R. G. Trummel. (Illinois Sta. Bul. 374, pp. 411-463, 19 figs. Oct. 1931.)

Bridge-graft and save trunk-injured fruit trees. R. L. McMunn. (Illinois Sta. Circ. 381, 20 pp., 13 figs. Dec. 1931.)

Some ways of cooking and using whole and cracked wheat. G. B. Armstrong et al. (Illinois Sta. Circ. 382, 12 pp. Dec. 1931.)

Organization and management problems of cooperative strawberry marketing associations in Kentucky. C. D. Phillips and D. G. Card. (Kentucky Sta. Bul. 319, pp. 247-287, 4 figs. Aug. 1931.)

Effect of hydrogen-ion concentration on the growth of strawberries in sand and in soil. C. S. Waltman. (Kentucky Sta. Bul. 321, pp. 331-352, 7 figs. Sept. 1931.)

Corn silage production. J. E. Metzger and R. L. Sellman. (Maryland Sta. Bul. 329, 14 pp. Oct. 1931.)

Inspection of commercial feedstuffs. P. H. Smith. (Massachusetts Sta. Control Ser Bul. 59, 49 pp. 1931.)

- Meteorological observations for November 1931. C. I. Gunness and K. M. Wheeler. (Massachusetts Sta. Met. Bul. 515, 4 pp. Nov. 1931.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 14, No. 2, pp. 67-118, 11 figs. Nov. 1931.)
- A study of taxation in Minnesota with particular reference to assessments of farm lands. G. B. Clarke and O. B. Jesness. (Minnesota Sta. Bul. 277, 42 pp., 7 figs. Aug. 1931.)
- Trucking livestock to South St. Paul. E. C. Johnson and E. A. Johnson. (Minnesota Sta. Bul. 278, 31 pp., 11 figs. June 1931.)
- Studies on natural vs. artificial control of the pine tortoise scale. L. W. Orr. (Minnesota Sta. Tech. Bul. 79, 19 pp., 4 figs. June 1931.)
- Inspection and analysis of commercial fertilizers, spring, 1931. F. B. Mumford, M. F. Miller, and L. D. Haigh. (Missouri Sta. Bul. 306, 12 pp. Aug. 1931.)
- The Missouri farm real estate situation for 1927-1930. C. H. Hammar. (Missouri Sta. Res. Bul. 154, 81 pp., 13 figs. July 1931.)
- The analysis of social data. H. J. Burt. (Missouri Sta. Res. Bul. 155, 88 pp., 1 pl., 6 figs. July 1931.)
- The development of the mammary gland as indicated by the initiation and increase in the yield of secretion. C. W. Turner. (Missouri Sta. Res. Bul. 156, 48 pp., 18 figs. Aug. 1931.)
- A study of the causes of the normal development of the mammary glands of the albino rat. C. W. Turner and A. B. Schultze. (Missouri Sta. Res. Bul. 157, 45 pp., 63 figs. Aug. 1931.)
- The relation of the anterior pituitary hormones to the development and secretion of the mammary gland. C. W. Turner and W. U. Gardner. (Missouri Sta. Res. Bul. 158, 57 pp., 24 figs. Aug. 1931.)
- A determination of the blood and plasma volume of dairy cattle, a study of blood and plasma volume during growth, pregnancy and lactation. C. W. Turner and H. A. Eorman. (Missouri Sta. Res. Bul. 159, 61 pp., 15 figs. Aug. 1931.)
- The anatomy of the mammary gland of cattle: Fetal development. C. W. Turner. (Missouri Sta. Res. Bul. 160, 39 pp., 30 figs. Sept. 1931.)
- Rural community trends. H. J. Burt. (Missouri Sta. Res. Bul. 161, 48 pp., 6 figs. Oct. 1931.)
- Planning for the future of Montana agriculture: Thirty-seventh annual report of the [Montana] Agricultural Experiment Station, July 1, 1929, to June 30, 1930. F. B. Linfield. 44 pp., 1 fig. 1931.

- The use of ammonia and nitrate nitrogen by certain crop plants. V. A. Tiedjens and W. R. Robbins. (New Jersey Stas. Bul. 526, 46 pp., 8 figs. Sept. 1931.)
- Analyses of materials sold as insecticides and fungicides during 1931. C. S. Cathcart and R. L. Willis. (New Jersey Stas. Bul. 530, 16 pp. Oct. 1931.)
- A study of phosphatic limestone as a mineral supplement. C. Tolle and L. A. Maynard. (New York Cornell Sta. Bul. 530, 27 pp., 2 pls., 1 fig. Oct. 1931.)
- The propagation of multiflora rootstocks for roses by soft wood cuttings. H. B. Tukey and K. D. Brase. (New York State Sta. Bul. 598, 10 pp., 3 figs. Oct. 1931.)
- The rate of chemical change in milk brought about by certain lactic acid streptococci. C. D. Kelly. (New York State Sta. Tech. Bul. 184, 15 pp., 2 figs. Oct. 1931.)
- Correlation studies of the growth of apple and cherry trees in the nursery from the seedling to the two-year budded tree. H. B. Tukey and K. D. Brase. (New York State Sta. Tech. Bul. 185, 31 pp., 4 figs. Oct. 1931.)
- Rural community clubs in North Dakota, factors influencing their success or failure. E. A. Willson. (North Dakota Sta. Bul. 251, 103 pp., 26 figs. Aug. 1931.)
- Feed grinder investigations. E. A. Silver. (Ohio Sta. Bul. 490, 49 pp., 36 figs. Oct. 1931.)
- The combined harvester-thresher in Ohio. E. A. Silver and J. H. Sitterley. (Ohio Sta. Bul. 491, 50 pp., 21 figs. Oct. 1931.)
- Foods used by rural families in Ohio during a three-year period. H. McKay and M. A. Brown. (Ohio Sta. Bul. 492, 37 pp., 2 figs. Oct. 1931.)
- Celery fertilizer experiments in Ohio. D. Comin. (Ohio Sta. Bul. 493, 17 pp., 2 figs. Nov. 1931.)
- Colds and roup in poultry. A. Broerman and B. H. Edgington. (Ohio Sta. Spec. Circ. 35, 4 pp., 1 fig. Sept. 1931.)
- Infectious laryngotracheitis of fowls. A. Broerman and B. H. Edgington. (Ohio Sta. Spec. Circ. 36, 3 pp., 1 fig. Nov. 1931.)
- Current farm economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 4, No. 6, 20 pp. Dec. 1931.)
- Report of the Porto Rico Agricultural Experiment Station, 1930. T. B. McClelland et al. 50 pp., 20 figs. Dec. 1931.)

Control of flea beetle and hornworm on tobacco. S. Marcovitch and W. W. Stanley. (Tennessee Sta. Circ. 38, 2 pp., 2 figs. Dec. 1931.)

Curing pork on the farm. L. R. Neel. (Tennessee Sta. Circ. 39, 4 pp. Dec. 1931.)

Family living expenditures, Summit County, Utah, 1930. E. Hayball and W. P. Thomas. (Utah Sta. Bul. 232, 31 pp., 11 figs. Nov. 1931.)

Report of the West Virginia Agricultural Experiment Station for the biennium ending June 30, 1930. F. D. Fromme. (West Virginia Sta. Bul. 244, 60 pp., 8 figs. Nov. 1931.)

Seed-borne parasites, a bibliography. C. R. Orton. (West Virginia Sta. Bul. 245, 48 pp., 1 fig. Dec. 1931.)

